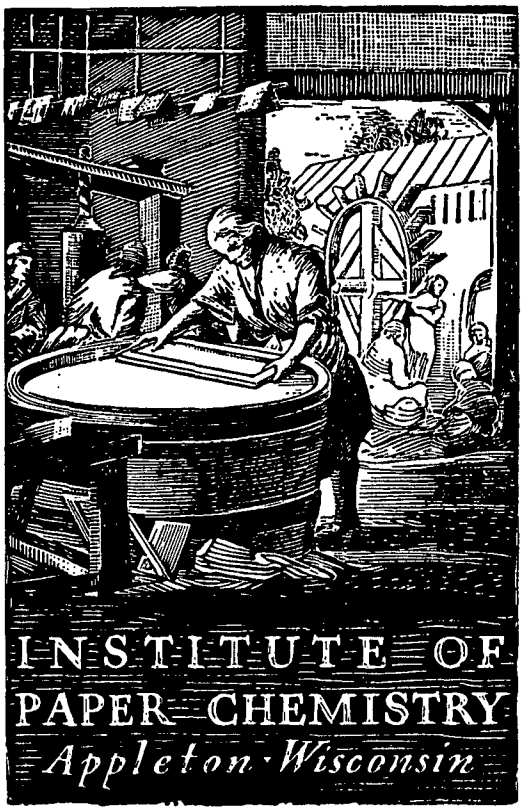

BASE-LINE

2nd Quarter, 1983

CONTINUOUS BASE-LINE STUDY (MODIFIED) (MILL LINERBOARD DATA FOR APRIL, MAY, JUNE, 1983)

Project 2694-1

Report Eighty-Eight
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
of the
AMERICAN PAPER INSTITUTE

September 1, 1983

Georgia-Pacific Corporation

Your machine is identified in this report by the following codes.

Toledo	Machine #1	L3

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR APRIL, MAY, JUNE, 1983)

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to

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OF THE

AMERICAN PAPER INSTITUTE

September 1, 1983

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR APRIL, MAY, JUNE, 1983)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA (MAR-JUN, 1983)

Linerboard Grade Wt.		Moisture Content MAR	APR	MAY	JUN
26 Lb	Max.	6.1	5.8	6.1	6.4
	Min.	3.0	3.2	3.0	3.2
	Ave.	5.0(18)	4.9(16)	4.9(16)	5.1(16)
33 Lb	Max.	6.4	6.3	6.6	6.3
	Min.	2.3	2.3	2.6	2.4
	Ave.	5.1(26)	5.0(24)	5.0(26)	5.0(21)
38 Lb	Max.	6.1	6.3	6.5	5.9
	Min.	3.6	4.7	4.7	3.8
	Ave.	5.4(20)	5.5(17)	5.6(17)	5.3(13)
42 Lb	Max.	6.6	6.5	6.6	6.5
	Min.	3.7	3.7	4.2	4.3
	Ave.	5.6(42)	5.5(38)	5.7(40)	5.6(37)
69 Lb	Max.	7.1	7.1	7.1	7.1
	Min.	4.3	4.1	5.1	5.2
	Ave.	6.2(25)	6.2(28)	6.3(27)	6.2(25)
90 Lb	Max.	7.1	7.5	8.6	7.3
	Min.	4.5	5.4	5.3	5.4
	Ave.	6.0(12)	6.2(12)	6.4(13)	6.3(11)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (MAR-JUN. 1983)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/sq m			
		MAR	APR	MAY	JUN
26 Lb	Max.	27.9	27.9	27.7	29.3
	Min.	26.1	26.0	25.9	26.0
	Ave.	26.5(18)	26.5(16)	26.4(16)	26.6(16)
33 Lb	Max.	34.3	34.3	34.3	34.7
	Min.	32.4	32.7	32.3	32.8
	Ave.	33.4(26)	33.4(24)	33.5(26)	33.5(21)
38 Lb	Max.	40.9	41.1	39.3	41.1
	Min.	38.1	38.1	38.1	38.0
	Ave.	38.5(20)	38.6(17)	38.5(17)	38.7(13)
42 Lb	Max.	43.4	43.4	43.5	43.4
	Min.	41.9	41.7	41.6	41.5
	Ave.	42.4(42)	42.5(38)	42.4(40)	42.5(37)
69 Lb	Max.	70.9	71.0	71.0	71.1
	Min.	68.3	68.5	68.3	68.0
	Ave.	69.5(25)	69.5(28)	69.5(27)	69.5(25)
90 Lb	Max.	91.9	91.3	91.8	92.8
	Min.	90.4	89.4	89.2	90.0
	Ave.	90.9(12)	90.6(12)	90.7(13)	91.2(11)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA (MAR-JUN, 1983)

Linerboard Grade Wt.		Caliper, pt. MAR	APR	MAY	JUN
26 Lb	Max.	8.7	8.5	8.6	8.7
	Min.	7.4	7.3	7.3	7.4
	Ave.	8.0(18)	8.0(16)	7.9(16)	7.9(16)
33 Lb	Max.	11.5	11.4	11.2	10.9
	Min.	8.9	9.1	9.1	8.7
	Ave.	9.8(25)	9.9(23)	9.9(25)	9.9(21)
38 Lb	Max.	12.7	12.0	11.6	11.6
	Min.	10.0	9.9	10.1	10.0
	Ave.	11.0(19)	10.9(17)	10.8(16)	10.8(12)
42 Lb	Max.	14.2	14.3	14.2	14.0
	Min.	10.2	10.2	10.8	10.6
	Ave.	12.0(41)	11.9(37)	12.0(39)	12.0(36)
69 Lb	Max.	21.7	21.9	21.8	21.3
	Min.	17.0	17.4	17.8	17.5
	Ave.	19.6(25)	19.5(27)	19.5(26)	19.4(24)
90 Lb	Max.	27.3	27.2	27.8	26.8
	Min.	22.9	22.7	22.9	22.9
	Ave.	25.7(12)	25.5(12)	25.7(13)	25.2(11)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA (MAR-JUN, 1963)

Linerboard Grade Wt.		Bursting Strength, psig			
		MAR	APR	MAY	JUN
26 Lb	Max.	89	89	85	76
	Min.	62	63	63	63
	Ave.	71(18)	72(16)	71(16)	71(16)
33 Lb	Max.	97	98	107	104
	Min.	77	77	77	77
	Ave.	85(26)	86(24)	86(26)	86(21)
38 Lb	Max.	111	107	108	104
	Min.	88	92	90	92
	Ave.	97(20)	99(17)	99(17)	98(13)
42 Lb	Max.	115	114	118	119
	Min.	99	99	99	98
	Ave.	105(42)	105(38)	106(40)	106(37)
69 Lb	Max.	158	160	162	163
	Min.	132	133	134	135
	Ave.	141(25)	142(28)	142(27)	143(25)
90 Lb	Max.	184	184	192	189
	Min.	157	156	155	155
	Ave.	170(12)	171(12)	172(13)	174(11)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART V: SUMMARY OF CD RING CRUSH DATA
(MAR-JUN, 1983)

Linerboard Grade Wt.		CD Ring Crush, lb			
		MAR	APR	MAY	JUN
26 Lb	Max.	46.0	41.0	44.0	47.0
	Min.	30.5	28.0	33.0	29.0
	Ave.	36.2(11)	35.1(11)	36.7(10)	37.5(9)
33 Lb	Max.	57.0	62.0	63.0	61.0
	Min.	42.0	39.0	42.0	37.0
	Ave.	48.8(14)	49.9(13)	51.4(14)	51.4(10)
38 Lb	Max.	77.0	73.9	76.0	73.3
	Min.	54.0	52.0	53.0	55.0
	Ave.	62.9(14)	63.1(14)	62.8(14)	62.7(11)
42 Lb	Max.	88.9	86.0	83.6	100.1
	Min.	54.0	54.0	45.0	57.0
	Ave.	70.6(26)	70.7(23)	68.9(24)	70.8(23)
69 Lb	Max.	143.0	125.0	124.0	141.0
	Min.	89.0	92.0	96.0	91.0
	Ave.	116.3(16)	114.5(18)	114.4(17)	114.7(18)
90 Lb	Max.	167.0	169.0	171.0	160.0
	Min.	129.0	134.0	123.0	141.0
	Ave.	149.9(8)	148.2(8)	148.2(8)	149.0(7)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, bursting strength, and CD ring crush tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in Tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, bursting strength, and CD ring crush are compiled in the following tables.

Table Number	Description
I-II-III-IV	Mill Test Averages on 26-lb Linerboard
V-VI-VII-VIII	Mill Test Averages on 33-lb Linerboard
IX-X-XI-XII	Mill Test Averages on 38-lb Linerboard
XIII-XIV-XV-XVI	Mill Test Averages on 42-lb Linerboard
XVII-XVIII-XIX-XX	Mill Test Averages on 69-lb Linerboard
XXI-XXII-XXIII-XXIV	Mill Test Averages on 90-lb Linerboard

TABLE I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
F1	3.2	3.3	97.0	64.0	26.4	26.4	100.0	101.5	26.5	26.5	100.0	100.0	8.2	8.1	101.2	103.8	78	80	97.5	109.8
01		4.7				26.8				26.9				7.8				74		
01	3.9	4.0	97.5	78.0	26.0	25.8	100.8	100.0	27.1	26.8	101.1	102.3	7.9	7.6	103.9	100.0	74	73	101.4	104.2
02	5.7	5.1	111.8	114.0	26.4	26.4	100.0	101.5	26.5	26.5	100.0	100.0	7.6	7.8	97.4	96.2	67	67	100.0	94.4
F2	5.5	5.3	103.8	110.0	26.4	26.6	99.2	101.5	27.1	27.3	99.3	102.3	8.5	8.5	100.0	107.6	69	68	101.5	97.2
02		4.4				25.4				26.3				8.7				73		
Z2	5.7	5.6	101.8	114.0	26.2	26.0	100.8	100.8	26.4	26.2	100.8	99.6	8.3	8.4	98.8	105.1	64	62	103.2	99.1
03		5.9				26.1				26.7				7.3				66		
03		4.7				26.0				26.9				7.8				68		
H3	5.0	5.3	94.3	100.0	25.5	25.6	99.6	98.1	26.3	26.3	100.0	99.2	7.9	7.6	103.9	100.0	74	74	100.0	104.2
K3	5.7	5.6	101.8	114.0	25.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	7.3	7.8	93.6	92.4	69	68	101.5	97.2
M3	4.5	4.6	97.8	90.0	25.4	25.3	100.4	97.7	26.3	26.2	100.4	99.2	8.1	7.9	102.5	102.5	74	69	107.2	104.2
Q3		4.6				25.4				26.4				8.0				72		
P3	4.6	4.6	100.0	92.0	25.4	25.7	98.8	97.7	26.3	26.6	98.9	99.2	7.4	7.6	97.4	93.7	75	75	101.3	107.0
U3	5.0	5.0	100.0	100.0	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.9	8.3	8.0	103.8	105.1	67	69	97.1	94.4
R3	5.2	5.4	96.3	104.0	25.9	26.0	99.6	99.6	26.0	26.1	99.6	98.1	7.8	8.0	97.5	98.7	67	71	94.4	94.4
S3	3.5	3.5	100.0	70.0	26.6	26.4	100.8	102.3	27.9	27.6	101.1	105.3	7.4	7.6	97.4	93.7	72	72	100.0	101.4
V3	5.8	5.7	101.8	116.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	8.4	8.7	96.6	106.3	79	69	114.5	111.3
X3		4.8				26.2				26.2				8.0				77		
Y3		5.2				25.6				26.3				7.8				74		
O4		5.7				25.8				26.4				9.0				66		
I4		7.1				26.2				26.3				7.6				75		
L4	5.6	6.0	93.3	112.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	8.1	7.9	102.5	102.5	63	63	100.0	88.7
R4	5.1	5.2	98.1	102.0	25.7	25.7	100.0	98.8	26.4	26.4	100.0	99.6	8.1	8.2	98.8	102.5	89	82	108.5	125.4
U4	5.1	5.1	100.0	102.0	25.7	25.8	99.6	98.8	26.4	26.5	99.5	99.6	7.9	7.8	101.3	100.0	75	74	102.7	107.0
FKBG DATA																				
CUR. AV.	4.9				26.0				26.5				8.0				72			
CUM. AV.	5.0				26.0				26.5				7.9				71			
IND. *D	98.0				100.0				100.0				101.3				101.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
F1	3.0	3.3	90.9	60.0	26.3	26.4	99.6	101.2	26.4	26.5	99.6	99.6	8.1	8.1	100.0	102.5	74	80	92.5	104.2
J1		4.6				26.7				26.8				7.8				73		
Q1	3.9	4.0	97.5	78.0	26.0	25.8	100.8	100.0	27.1	26.8	101.1	102.3	7.9	7.6	103.9	100.0	73	73	100.0	102.8
J2	5.7	5.1	111.8	114.0	26.4	26.4	100.0	101.5	26.5	26.6	99.6	100.0	7.9	7.7	102.6	100.0	66	67	98.5	93.0
F2	5.2	5.3	98.1	104.0	25.9	26.6	97.4	99.6	26.6	27.3	97.4	100.4	8.1	8.5	95.3	102.5	70	68	102.9	98.6
G2		4.4				25.4				26.3				8.7				78		
Z2	5.8	5.6	103.6	116.0	26.1	26.0	100.4	100.4	26.3	26.2	100.4	99.2	8.6	8.4	102.4	108.9	63	62	101.6	83.7
D3	5.5	5.9	93.2	110.0	25.8	26.1	98.8	99.2	26.4	26.7	98.9	99.6	7.3	7.3	100.0	92.4	65	66	98.5	91.5
E3		4.7				26.0				26.9				7.8				68		
H3		5.2				25.6				26.3				7.6				73		
K3	6.1	5.6	108.9	122.0	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.2	7.6	7.8	97.4	96.2	70	66	102.9	98.6
M3	5.2	4.6	113.0	104.0	25.2	25.3	99.6	96.9	25.9	26.2	98.8	97.7	8.2	7.9	103.8	103.8	73	70	104.3	102.8
O3		4.6				25.4				26.4				8.0				72		
P3	4.2	4.6	91.3	84.0	25.3	25.6	98.8	97.3	26.3	26.5	99.2	99.2	7.5	7.6	98.7	94.9	74	75	98.7	104.2
Q3	5.0	5.0	100.0	100.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.8	8.0	97.5	98.7	69	69	100.0	97.2
R3	5.3	5.4	92.6	100.0	25.9	26.0	99.6	99.6	26.0	26.1	99.6	98.1	7.6	8.0	95.0	95.2	71	70	101.4	100.0
S3	3.5	3.5	100.0	70.0	26.5	26.4	100.4	101.9	27.7	27.6	100.4	104.5	7.4	7.5	98.7	93.7	73	72	101.4	102.9
V3		5.8				26.0				26.1				8.6				74		
X3	4.9	4.8	102.1	98.0	26.1	26.2	99.6	100.4	26.2	26.2	100.0	98.9	8.0	8.0	100.0	101.3	80	77	103.9	112.7
Y3		5.2				25.6				26.3				7.8				74		
D4		5.7				25.8				26.4				9.0				66		
I4		7.1				26.2				26.3				7.6				75		
L4	5.9	5.9	100.0	118.0	25.9	26.0	99.6	99.6	26.0	26.1	99.6	98.1	8.1	7.9	102.5	102.5	64	63	101.6	90.1
R4	5.0	5.2	96.2	100.0	25.5	25.8	98.8	98.1	26.3	26.5	99.2	99.2	8.3	8.2	101.2	105.1	85	83	102.4	119.7
U4	5.1	5.1	100.0	102.0	26.0	25.7	101.2	100.0	26.8	26.5	101.1	101.1	7.9	7.8	101.3	100.0	73	74	98.6	102.8
FKBG DATA																				
CUR. AV.	4.9				25.9				26.4				7.9				71			
CUM. AV.	5.0				26.0				26.5				7.9				71			
IND. *D	98.0				99.6				99.6				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
F1	3.2	3.3	97.0	64.0	26.3	26.4	99.6	101.2	26.4	26.5	99.6	99.6	8.1	8.1	100.0	102.5	76	80	95.0	107.0
O1		4.6				26.7				26.8				7.8				73		
Q1	4.0	4.0	100.0	80.0	26.0	25.8	100.8	100.0	27.1	26.9	100.7	102.3	7.7	7.6	101.3	97.5	69	72	95.8	97.2
B2	5.3	5.1	103.9	106.0	26.3	26.5	99.2	101.2	26.4	26.6	99.2	99.6	7.6	7.8	97.4	96.2	68	67	101.5	95.8
F2	5.8	5.3	109.4	116.0	25.5	26.5	96.2	98.1	26.1	27.2	96.0	98.5	8.0	8.4	95.2	101.3	68	69	98.6	95.8
G2		4.4				25.4				26.3				8.7				78		
Z2	5.9	5.6	105.4	118.0	26.1	26.0	100.4	100.4	26.3	26.2	100.4	99.2	8.7	8.4	103.6	110.1	64	62	103.2	90.1
D3	5.6	5.8	96.6	112.0	26.0	26.1	99.6	100.0	26.6	26.6	100.0	100.4	7.5	7.3	102.7	94.9	66	66	100.0	93.0
E3	4.9	4.7	104.2	98.0	26.2	26.0	100.8	100.8	27.0	26.9	100.4	101.9	8.0	7.8	102.6	101.3	74	68	108.8	104.2
H3		5.2				25.5				26.3				7.6				72		
K3		5.7				26.2				26.2				7.8				69		
M3	4.7	4.7	100.0	94.0	25.4	25.3	100.4	97.7	26.3	26.2	100.4	99.2	8.1	8.0	101.2	102.5	71	70	101.4	100.0
O3		4.6				25.4				26.4				8.0				72		
P3	6.1	4.5	135.6	122.0	26.6	25.5	104.3	102.3	27.1	26.5	102.3	102.3	7.7	7.6	101.3	97.5	75	75	100.0	105.6
Q3	5.0	5.0	100.0	100.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.6	8.0	95.0	96.2	71	69	102.9	100.0
R3		5.3				26.0				26.1				8.0				70		
S3	3.6	3.5	102.8	72.0	28.0	26.4	106.1	107.7	29.3	27.6	106.2	110.6	7.6	7.5	101.3	96.2	72	72	100.0	101.4
W3		5.8				26.0				26.1				8.6				74		
X3	4.7	4.9	95.9	94.0	26.1	26.2	99.6	100.4	26.2	26.2	100.0	98.9	8.2	8.0	102.5	103.8	72	78	92.3	101.4
Y3		5.2				25.6				26.3				7.8				74		
D4		5.7				25.8				26.4				9.0				66		
I4	6.4	7.1	90.1	128.0	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.2	7.4	7.6	97.4	93.7	72	75	96.0	101.4
L4	5.9	5.9	100.0	118.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.6	7.9	96.2	96.2	63	63	100.0	88.7
R4	5.7	5.1	111.8	114.0	25.4	25.7	98.8	97.7	26.0	26.4	98.5	98.1	8.5	8.2	103.6	107.6	76	84	90.5	107.0
U4	5.3	5.1	103.9	106.0	26.1	25.8	101.2	100.4	26.8	26.5	101.1	101.1	7.9	7.8	101.3	100.0	75	74	101.4	105.6
FKBG DATA																				
CUR. AV.	5.1				26.1				26.6				7.9				71			
CUM. AV.	5.0				26.0				26.5				7.9				71			
INC. *D	102.0				100.4				100.4				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	APRIL, 1983				MAY, 1983				JUNE, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
F1	38.0	39.5	96.2	105.6	36.0	39.7	90.7	100.3	37.0	39.8	93.0	102.5
O1		35.6				35.4				35.4		
Q1	37.0	35.2	105.1	102.8	37.0	35.3	104.8	103.1	34.0	35.5	95.8	94.2
B2												
F2	34.0	33.1	102.7	94.4	33.0	33.2	99.4	91.9	29.0	33.5	86.6	80.3
G2		44.0				42.8				42.8		
Z2	36.7	32.8	112.6	101.9	37.0	33.1	111.8	103.1	35.8	33.5	106.9	99.2
D3												
E3												
H3	35.8	36.7	97.5	99.4		36.6				36.6		
K3												
M3	28.0	30.9	90.6	77.8	36.2	31.3	115.6	100.8	44.5	31.8	139.9	123.3
O3												
P3	31.0	33.7	92.0	86.1	34.0	33.0	103.0	94.7	37.0	33.2	111.4	102.5
Q3	32.0	32.3	99.1	88.9	34.0	32.2	105.6	94.7	32.0	32.6	98.2	88.6
R3	35.0	33.2	105.4	97.2	34.0	33.5	101.5	94.7		33.8		
S3	41.0	40.5	101.2	113.9	42.0	40.4	104.0	117.0	41.0	40.5	101.2	113.6
V3	38.0	38.0	100.0	105.6		38.0				38.0		
X3		41.3			46.0	41.1	107.0	122.6	47.0	41.0	114.6	130.2
Y3												
D4												
I4		29.8				29.8				29.8		
L4												
R4												
U4												

FKBG DATA

CUR. AV.	35.1	36.7	37.5
CUM. AV.	36.0	35.9	36.1
IND. *D	97.5	102.2	103.9

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE V

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
F1		5.0				33.3				33.4				10.4				90		
G1		5.8				34.1				34.8				9.8				86		
01		5.0				33.2				33.3				9.2				83		
Q1	4.0	4.5	88.9	80.0	32.9	32.6	100.9	100.6	34.2	33.8	101.2	102.4	10.0	9.5	105.3	102.8	68	89	98.9	103.5
U1		2.3				32.2				34.2				10.2				84		
X1		6.1				33.0				33.1				8.5				86		
32	5.7	5.5	103.6	114.0	33.4	33.4	100.0	102.1	33.5	33.5	100.0	100.3	9.6	9.9	97.0	98.0	81	81	100.0	95.3
F2	5.4	5.4	100.0	108.0	32.5	32.5	100.0	99.4	33.3	33.3	100.0	99.7	9.7	10.2	95.1	99.0	78	79	98.7	91.8
G2		5.2				32.3				33.2				11.0				90		
H2		4.6				32.4				33.6				9.3				92		
Z2	5.8	5.7	101.8	116.0	33.1	33.0	100.3	101.2	33.4	33.4	100.0	100.0	9.9	10.4	95.2	101.0	77	77	100.0	99.6
33		5.8				33.2				33.3				10.3				92		
C3		6.0				33.0				33.0				9.0				85		
D3	5.4	5.9	91.5	108.0	32.3	32.9	98.2	98.8	33.1	33.6	98.5	99.1	9.7	9.3	104.3	99.0	79	80	98.8	92.9
E3	5.2	5.2	100.0	104.0	32.7	32.8	99.7	100.0	33.6	33.7	99.7	100.6	9.9	9.7	102.1	101.0	81	81	100.0	95.3
F3	2.3	2.1	109.5	46.0	32.4	32.3	100.3	99.1	34.3	34.2	100.3	102.7	9.5	9.4	102.1	99.0	92	93	104.5	108.2
H3	5.4	5.5	96.4	108.0	32.6	32.5	100.3	99.7	33.4	33.3	100.3	100.0	9.3	9.6	96.9	94.9	92	88	104.5	108.2
K3	6.3	5.9	106.8	126.0	33.0	33.1	99.7	100.9	33.2	33.3	99.7	99.4	9.9	9.7	102.1	101.0	78	82	95.1	91.8
L3	4.4	4.2	104.8	88.0	32.4	32.6	99.4	99.1	32.7	32.9	99.4	97.9	10.1	10.1	100.0	103.1	86	90	107.5	101.2
M3	5.4	5.3	101.9	108.0	32.3	31.9	101.2	98.8	33.1	32.7	101.2	99.1	10.5	10.1	104.0	107.1	89	86	103.5	104.7
J3	5.2	5.2	100.0	104.0	32.5	32.4	100.3	99.4	33.4	33.3	100.3	100.0	10.2	9.8	104.1	104.1	85	84	101.2	100.0
P3	4.9	5.0	98.0	98.0	32.6	32.4	100.6	99.7	33.6	33.3	100.9	100.6	9.6	9.7	99.0	98.0	95	89	106.7	111.8
J3	5.0	5.2	96.2	100.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.9	9.6	103.1	101.0	81	86	94.2	95.3
R3		6.0				33.0				33.1				9.5				84		
S3	4.5	4.0	112.5	90.0	32.4	32.2	100.6	99.1	33.6	33.5	100.3	100.6	9.1	9.3	97.8	92.8	83	84	98.8	97.6
T3	2.3	2.5	92.0	46.0	32.3	32.1	100.6	98.8	34.2	34.0	100.6	102.4	11.4	10.9	104.6	116.3	84	83	101.2	98.8
U3	6.0	6.1	98.4	120.0	33.0	33.1	99.7	100.9	33.1	33.2	99.7	99.1					78	80	97.5	91.8
V3	5.7	5.8	98.3	114.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	10.5	10.4	101.0	107.1	92	88	104.5	108.2
W3	4.3	4.6	104.3	96.0	32.5	32.4	100.3	99.4	33.6	33.6	100.0	100.6	9.1	9.6	94.8	92.8	98	99	99.0	115.3
X3	5.1	5.0	102.0	102.0	33.1	33.2	99.7	101.2	33.2	33.2	100.0	99.4	10.2	10.2	100.0	104.1	96	91	105.5	112.9
Y3	5.8	5.3	109.4	116.0	32.3	32.3	100.0	98.8	33.0	33.2	99.4	98.8	9.2	9.4	97.9	93.9	86	89	96.6	101.2
I4		6.4				33.2				33.3				9.8				94		
L4	5.9	6.1	96.7	118.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	10.3	10.2	101.0	105.1	83	84	98.8	97.6
O4		4.4				32.8				34.0				9.1				97		
R4	4.7	5.1	92.2	94.0	32.6	32.5	100.3	99.7	33.7	33.4	100.9	100.9	9.8	9.5	103.2	100.0	97	101	96.0	114.1
U4	5.3	5.2	101.9	106.0	32.6	32.5	100.3	99.7	33.5	33.4	100.3	100.3	10.0	10.2	98.0	102.0	84	82	102.4	98.8
FKBG DATA																				
CUR. AV.	5.0				32.7				33.4				9.9				86			
CUM. AV.	5.0				32.7				33.4				9.8				85			
IND. *D	100.0				100.0				100.0				101.0				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
F1	4.2	5.5	76.4	84.0	33.3	33.1	100.6	101.8	33.4	33.2	100.6	100.0	10.0	10.2	98.0	102.0	93	89	104.5	109.4
G1		5.8				34.1				34.8				9.8				85		
J1		5.1				33.2				33.3				9.1				89		
Q1	4.5	4.4	102.3	90.0	32.9	32.6	100.9	100.6	34.1	33.8	100.9	102.1	10.0	9.6	104.2	102.0	88	89	98.9	103.5
U1	2.6	2.3	113.0	52.0	32.5	32.3	100.6	99.4	34.3	34.2	100.3	102.7	10.9	10.3	105.8	111.2	86	84	102.4	101.2
X1		6.1				33.0				33.1				8.5				86		
B2	6.0	5.5	109.1	120.0	33.3	33.4	99.7	101.8	33.4	33.5	99.7	100.0	9.7	9.8	99.0	99.0	80	81	98.8	94.1
F2	5.7	5.4	105.6	114.0	32.5	32.5	100.0	99.4	33.2	33.3	99.7	99.4	9.9	10.2	97.0	101.0	78	79	98.7	91.8
G2		5.2				32.3				33.2				11.1				91		
H2		4.6				32.4				33.6				9.3				92		
Z2	6.0	5.7	105.3	120.0	33.1	33.0	100.3	101.2	33.4	33.4	100.0	100.0	10.3	10.3	100.0	105.1	77	77	100.0	90.6
B3		5.8				33.2				33.3				10.3				92		
C3		6.0				33.0				33.1				9.0				85		
D3	5.6	5.8	96.6	112.0	32.7	32.9	99.4	100.0	33.5	33.6	99.7	100.3	9.4	9.4	100.0	95.9	80	80	100.0	94.1
E3	5.2	5.2	100.0	104.0	32.9	32.8	100.3	100.6	33.8	33.7	100.3	101.2	10.0	9.7	103.1	102.0	85	81	104.9	100.0
F3	2.8	2.1	133.3	56.0	32.5	32.2	100.9	99.6	34.3	34.2	100.3	102.7	9.8	9.5	103.2	100.0	88	88	100.0	103.5
H3	5.5	5.5	100.0	110.0	32.6	32.5	100.3	99.7	33.4	33.3	100.3	100.0	9.5	9.5	100.0	96.9	90	88	102.3	105.9
K3	6.1	5.9	103.4	122.0	33.0	33.0	100.0	100.9	33.2	33.2	100.0	99.4	9.9	9.7	102.1	101.0	85	81	104.9	100.0
L3	4.4	4.2	104.8	88.0	32.4	32.6	99.4	99.1	32.7	32.9	99.4	97.9	9.8	10.1	97.0	100.0	84	80	105.0	98.8
M3	5.6	5.3	105.7	112.0	32.3	31.9	101.2	98.8	33.1	32.7	101.2	99.1	10.4	10.1	103.0	105.1	90	86	104.6	105.9
O3	5.3	5.2	101.9	106.0	32.5	32.4	100.3	99.4	33.4	33.3	100.3	100.0	10.2	9.8	104.1	104.1	83	84	98.8	97.5
P3	4.6	5.0	92.0	92.0	32.2	32.4	99.4	98.5	33.3	33.4	99.7	99.7	9.5	9.7	97.9	95.9	89	90	98.9	104.7
Q3	5.0	5.1	98.0	100.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.8	9.6	102.1	100.0	86	85	101.2	101.2
R3		5.9				33.0				33.1				9.6				84		
S3	4.5	4.1	109.8	90.0	32.4	32.2	100.6	99.1	33.6	33.5	100.3	100.6	9.2	9.3	98.9	93.9	86	83	103.6	101.2
T3	2.6	2.4	108.3	52.0	32.2	32.1	100.3	98.5	34.0	34.0	100.0	101.8	11.2	11.1	100.9	114.3	83	83	100.0	97.6
U3	5.7	6.1	93.4	114.0	33.4	33.1	100.9	102.1	33.5	33.2	100.9	100.3					80	80	100.0	94.1
V3		5.8				33.0				33.1				10.4				90		
W3		4.6				32.4				33.6				9.6				98		
X3	5.0	5.0	100.0	100.0	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4	10.1	10.2	99.0	103.1	93	92	101.1	109.4
Y3	5.8	5.3	109.4	116.0	32.4	32.3	100.3	99.1	33.1	33.2	99.7	99.1	9.2	9.3	98.9	93.9	89	89	100.0	104.7
I4	6.6	6.4	103.1	132.0	32.2	33.2	97.0	98.5	32.3	33.3	97.0	96.7	9.8	9.8	100.0	100.0	79	94	84.0	92.9
L4	6.1	6.1	100.0	122.0	32.9	33.0	99.7	100.6	33.0	33.1	99.7	98.8	10.2	10.3	99.0	104.1	84	84	100.0	98.8
J4	5.2	4.5	115.6	104.0	33.0	32.9	100.3	100.9	33.9	34.1	99.4	101.5	9.1	9.2	98.9	92.8	107	97	110.3	125.9
R4	5.0	5.0	100.0	100.0	33.0	32.5	101.5	100.9	34.0	33.5	101.5	101.8	10.4	9.5	109.5	106.1	85	101	84.2	100.0
U4	5.1	5.2	98.1	102.0	33.0	32.5	101.5	100.9	34.0	33.4	101.8	101.8	10.1	10.1	100.0	103.1	86	82	104.9	101.2
FKBG DATA																				
CUR. AV.	5.0				32.7				33.5				9.9				86			
CUM. AV.	5.0				32.7				33.4				9.8				85			
IND. *D	100.0				100.0				100.3				101.0				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
F1		4.8				33.2				33.3				10.1				91		
G1		5.8				34.1				34.8				9.8				86		
O1		5.1				33.2				33.3				9.1				89		
Q1	4.5	4.4	102.3	90.0	33.1	32.6	101.5	101.2	34.3	33.9	101.2	102.7	9.8	9.6	102.1	100.0	84	88	95.4	98.8
U1	2.6	2.4	108.3	52.0	32.4	32.3	100.3	99.1	34.2	34.2	100.0	102.4	10.9	10.4	104.8	111.2	82	84	97.6	96.5
X1		6.1				33.0				33.1				8.5				86		
B2	6.0	5.5	109.1	120.0	33.3	33.4	99.7	101.8	33.4	33.5	99.7	100.0	9.8	9.8	100.0	100.0	80	81	98.8	94.1
F2	5.9	5.5	107.3	118.0	32.2	32.5	99.1	98.5	32.9	33.3	98.8	98.5	9.4	10.2	92.2	95.9	82	79	103.8	96.5
G2	5.3	5.2	101.9	106.0	32.3	32.2	100.3	98.8	33.2	33.1	100.3	99.4	10.5	11.2	93.8	107.1	90	90	100.0	105.9
H2		4.7				32.5				33.6				9.3				91		
Z2	6.1	5.8	105.2	122.0	33.1	33.1	100.0	101.2	33.4	33.4	100.0	100.0	10.3	10.3	100.0	105.1	77	77	100.0	90.6
B3		5.8				33.2				33.3				10.3				92		
C3	6.3	6.0	105.0	126.0	33.0	32.9	100.3	100.9	33.1	33.0	100.3	99.1	8.7	8.9	97.8	88.8	86	84	102.4	101.2
D3	5.8	5.8	100.0	116.0	32.5	32.8	99.1	99.4	33.2	33.6	98.8	99.4	9.4	9.4	100.0	95.9	80	80	100.0	94.1
E3	5.6	5.2	107.7	112.0	33.0	32.8	100.6	100.9	33.8	33.7	100.3	101.2	10.3	9.7	106.2	105.1	82	81	101.2	96.5
F3	2.7	2.2	122.7	54.0	32.2	32.3	99.7	98.5	34.0	34.2	99.4	101.8	10.0	9.6	104.2	102.0	90	88	102.3	105.9
H3		5.5				32.5				33.3				9.5				87		
K3		6.0				33.0				33.2				9.7				82		
L3	4.6	4.3	107.0	92.0	32.5	32.5	100.0	99.4	32.8	32.8	100.0	98.2	9.8	10.0	98.0	100.0	84	81	103.7	98.8
M3	5.6	5.4	103.7	112.0	32.1	32.0	100.3	98.2	32.9	32.8	100.3	98.5	10.8	10.1	106.9	110.2	90	87	103.4	105.9
O3		5.2				32.4				33.3				9.8				84		
P3	4.9	5.0	98.0	98.0	32.3	32.4	99.7	98.8	33.3	33.4	99.7	99.7	9.4	9.7	96.9	95.9	87	90	96.7	102.4
Q3	5.1	5.1	100.0	102.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.8	9.7	101.0	100.0	83	85	97.6	97.6
R3		5.9				33.0				33.1				9.6				84		
S3	4.1	4.2	97.6	82.0	33.4	32.2	103.7	102.1	34.7	33.5	103.6	103.9	9.3	9.3	100.0	94.9	84	83	101.2	98.8
T3	2.4	2.5	96.0	48.0	32.4	32.2	100.6	99.1	34.3	34.0	100.9	102.7	10.9	11.1	98.2	111.2	84	83	101.2	98.8
U3		6.0				33.2				33.2								80		
V3		5.8				33.0				33.1				10.4				90		
W3		4.6				32.4				33.6				9.6				98		
X3	5.0	5.0	100.0	100.0	33.2	33.1	100.3	101.5	33.3	33.2	100.3	99.7	10.2	10.2	100.0	104.1	93	92	101.1	109.4
Y3	5.7	5.4	105.6	114.0	32.5	32.3	100.6	99.4	33.2	33.2	100.0	99.4	9.1	9.3	97.8	92.8	91	89	102.2	107.0
I4	6.2	6.4	96.9	124.0	33.2	32.9	100.9	101.5	33.3	33.0	100.9	99.7	9.6	9.8	98.0	98.0	104	89	116.8	122.4
L4	6.1	6.1	100.0	122.0	33.0	33.0	100.0	100.9	33.1	33.0	100.3	99.1	10.1	10.3	98.0	103.1	86	84	102.4	101.2
O4		4.7				33.0				34.0				9.3				102		
R4		5.0				32.5				33.5				9.6				100		
U4	5.2	5.2	100.0	104.0	32.6	32.5	100.3	99.7	33.5	33.4	100.3	100.3	9.9	10.1	98.0	101.0	82	82	100.0	96.5
FKBG DATA																				
CUR. AV.	5.0				32.7				33.5				9.9				86			
CUM. AV.	5.0				32.7				33.4				9.8				85			
IND. *D	100.0				100.0				100.3				101.0				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	APRIL, 1983				MAY, 1983				JUNE, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
F1		51.0			48.0	48.0	100.0	97.6		48.0		
G1												
O1		50.0				49.6				49.6		
Q1	59.0	51.7	114.1	120.2	58.0	52.4	110.7	117.9	61.0	52.9	115.3	123.5
U1												
X1												
B2												
F2	42.0	39.7	105.8	85.5	42.0	40.1	104.7	85.6	37.0	40.7	90.9	74.9
G2		53.2				52.9			61.0	51.1	119.4	123.5
H2		65.9				65.9				65.9		
Z2	43.5	47.1	92.4	88.6	50.0	46.7	107.1	101.6	44.0	47.0	93.6	89.1
B3		57.0				57.0				57.0		
C3												
D3												
E3												
F3												
H3	52.9	52.6	100.6	107.7	54.3	52.6	103.2	110.4		52.9		
K3												
L3	39.0	41.1	94.9	79.4	44.0	40.8	107.8	89.4	51.0	41.0	124.4	103.2
M3	45.1	49.3	91.5	91.8	52.5	49.4	106.3	106.7	50.5	49.6	101.8	102.2
O3												
P3	57.0	49.5	115.2	116.1	54.0	52.0	103.8	109.8	49.0	52.5	93.3	99.2
Q3	47.0	44.1	106.6	95.7	48.0	44.3	108.4	97.6	47.0	44.7	105.1	95.1
R3		42.7				43.0				43.2		
S3	53.0	52.8	100.4	107.9	54.0	53.0	101.9	109.8	53.0	53.4	99.2	107.3
T3												
U3	46.0	52.2	88.1	93.7	43.0	51.2	84.0	87.4		49.9		
V3	53.0	50.0	106.0	107.9		51.5				51.5		
W3	49.0	52.7	93.0	99.8		52.1				52.1		
X3	62.0	54.8	113.1	126.3	62.0	55.4	111.9	126.0	61.0	55.7	109.5	123.5
Y3												
I4		41.4			47.0	41.4	113.5	95.5		43.2		
L4												
O4		52.2			63.0	52.0	121.2	128.0		57.0		
R4												
U4												

FKBG DATA			
CUR. AV.	49.9	51.4	51.4
CUM. AV.	49.1	49.2	49.4
IND. *D	101.6	104.5	104.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		5.7				38.0				38.0				11.1				106		
F1	4.9	4.8	102.1	90.7	38.4	38.3	100.3	101.6	38.5	38.4	100.3	100.0	11.7	11.2	104.5	107.3	104	107	97.2	106.1
G1	5.5	6.0	91.7	101.8	38.1	37.9	100.5	100.8	39.1	38.7	101.0	101.6	10.5	10.7	98.1	96.3	94	97	96.9	95.9
J1	5.8	5.7	101.8	107.4	38.0	38.3	99.2	100.5	38.1	38.4	99.2	99.0	9.9	10.2	97.0	93.3	102	99	103.0	104.1
Q1	4.8	4.9	93.0	88.9	37.6	37.5	100.3	99.5	38.8	38.7	100.2	100.8	11.4	10.9	104.6	104.6	99	100	99.0	101.0
R1	6.1	5.0	122.0	113.0	37.8	37.5	100.8	100.0	38.5	38.6	99.7	100.0	10.7	10.4	102.9	98.2	103	103	100.0	105.1
T1	5.5	5.6	98.2	101.8	37.9	37.7	100.5	100.3	38.8	38.6	100.5	100.8	10.7	10.9	98.2	98.2	105	97	108.2	107.1
U1		3.9				38.0				39.6				12.0				100		
B2		5.6				38.3				38.4				10.6				96		
C2	5.7	5.7	100.0	105.6	38.2	38.2	100.0	101.0	38.5	38.5	100.0	100.0	10.8	10.9	99.1	99.1	92	94	97.9	93.9
D2		6.1				37.5				38.2				11.1				101		
H2	5.1	5.2	98.1	94.4	37.5	37.6	99.7	99.2	38.6	38.6	100.0	100.2	10.3	10.6	97.2	94.5	97	100	97.0	99.0
B3		5.6				38.2				38.2				10.7				95		
E3		5.6				37.8				38.7				10.8				89		
F3		3.8				37.8				39.4				10.5				99		
G3		5.9				37.6				38.3				11.4				90		
I3		5.6				38.4				38.6				10.6				95		
K3	6.3	6.2	101.6	116.7	38.1	38.0	100.3	100.8	38.3	38.2	100.3	99.5	10.9	11.2	97.3	100.0	96	94	102.1	98.0
M3	5.6	5.6	100.0	103.7	37.2	37.0	100.5	98.4	38.1	37.8	100.8	99.0	11.4	11.4	100.0	104.6	107	101	105.9	109.2
N3		4.4				37.1				38.5				10.5				96		
P3	5.1	5.2	98.1	94.4	37.3	37.3	100.0	98.7	38.4	38.4	100.0	99.7	11.1	11.1	100.0	101.8	100	100	100.0	102.0
Q3	6.0	5.9	101.7	111.1	38.0	38.0	100.0	100.5	38.1	38.1	100.0	99.0	10.9	10.7	101.9	100.0	93	95	97.9	94.9
R3		5.9				38.0				38.1				10.9				94		
S3	6.1	4.9	124.5	113.0	40.4	38.1	106.0	106.9	41.1	39.2	104.8	106.8	11.0	10.3	106.8	100.9	93	95	97.9	94.9
T3		3.6				36.7				38.4				12.6				101		
U3		6.1				38.2				38.3								92		
V3	5.8			107.4	38.0			100.5	38.1			99.0	12.0			110.1	96			98.0
W3	4.7	4.7	100.0	87.0	37.2	37.3	99.7	98.4	38.5	38.5	100.0	100.0	10.3	10.5	98.1	94.5	102	106	96.2	104.1
X3	5.5	5.3	103.8	101.8	38.1	38.2	99.7	100.8	38.2	38.3	99.7	99.2	11.5	11.4	100.9	105.5	103	99	104.0	105.1
O4	5.8	5.6	103.6	107.4	38.0	37.7	100.8	100.5	38.8	38.6	100.5	100.8	10.7	11.0	97.3	98.2	101	102	99.0	103.1
R4		5.1				37.4				38.4				11.0				107		
J4		5.4				37.5				38.4				11.1				92		
FKBG DATA																				
CUR. AV.	5.5				38.0				38.6				10.9				99			
CUM. AV.	5.4				37.8				38.5				10.9				98			
IND. *D	101.8				100.5				100.2				100.0				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		5.7				37.9				38.0				11.1				103		
F1	4.9	4.7	104.2	90.7	38.3	38.3	100.0	101.3	38.4	38.4	100.0	99.7	11.5	11.3	101.8	105.5	107	108	99.1	109.2
G1	5.5	5.9	93.2	101.8	38.3	38.0	100.8	101.3	39.3	38.8	101.3	102.1	10.4	10.6	98.1	95.4	94	96	97.9	95.9
D1	5.9	5.7	103.5	109.2	38.1	38.2	99.7	100.8	38.2	38.4	99.5	99.2	10.1	10.1	100.0	92.7	101	99	102.0	103.1
Q1	5.0	4.9	102.0	92.6	37.9	37.5	101.1	100.3	39.0	38.7	100.8	101.3	11.6	10.9	106.4	106.4	95	100	95.0	96.9
R1	5.9	5.2	113.5	109.2	37.7	37.6	100.3	99.7	38.5	38.6	99.7	100.0	10.6	10.5	101.0	97.2	98	103	95.1	100.0
T1		5.6				37.8				38.7				10.9				98		
U1		3.9				38.0				39.6				12.0				100		
B2		5.5				38.4				38.4				10.6				96		
E2		5.7				38.2				38.5				10.8				93		
G2		6.1				37.6				38.2				11.2				102		
H2	4.9	5.2	94.2	90.7	37.4	37.6	99.5	98.9	38.6	38.6	100.0	100.2	10.4	10.6	98.1	95.4	103	100	103.0	105.1
B3	5.7	5.5	103.6	105.6	38.4	38.2	100.5	101.6	38.5	38.3	100.5	100.0	10.2	10.6	96.2	93.6	102	98	104.1	104.1
E3		5.6				37.8				38.7				10.8				89		
F3		3.8				37.8				39.4				10.5				99		
G3		5.9				37.6				38.3				11.4				90		
I3	5.7	5.5	103.6	105.6	38.7	38.4	100.8	102.4	38.8	38.5	100.8	100.8	10.4	10.5	99.0	95.4	95	95	100.0	96.9
K3	6.1	6.2	98.4	113.0	38.0	38.0	100.0	100.5	38.2	38.2	100.0	99.2	11.1	11.1	100.0	101.8	98	94	104.2	100.0
M3	6.5	5.6	116.1	120.4	37.8	37.0	102.2	100.0	38.3	37.9	101.0	99.5	11.1	11.4	97.4	101.8	107	102	104.9	109.2
N3		4.4				37.1				38.5				10.5				96		
P3	4.9	5.1	96.1	90.7	37.1	37.3	99.5	98.1	38.3	38.4	99.7	99.5	11.0	11.1	99.1	100.9	102	100	102.0	104.1
Q3	6.0	5.9	101.7	111.1	38.0	38.0	100.0	100.5	38.1	38.1	100.0	99.0	10.8	10.7	100.9	99.1	94	95	98.9	95.9
R3		5.9				38.0				38.1				10.9				94		
S3	5.7	5.0	114.0	105.6	38.1	38.3	99.5	100.8	39.0	39.5	98.7	101.3	10.1	10.4	97.1	92.7	97	95	102.1	99.0
T3		3.6				36.7				38.4				12.6				101		
U3	6.1	6.1	100.0	113.0	38.5	38.2	100.8	101.8	38.6	38.3	100.8	100.2					91	92	98.9	92.8
V3		5.8				38.0				38.1				12.0				96		
A3	4.7	4.7	100.0	87.0	37.3	37.3	100.0	98.7	38.6	38.5	100.2	100.2	11.2	10.5	105.7	102.8	102	106	96.2	104.1
X3	5.0	5.4	92.6	92.6	38.3	38.1	100.5	101.3	38.6	38.2	100.5	99.7	11.6	11.4	101.8	106.4	108	100	108.0	110.2
Y3	6.2			114.8	37.6			99.5	38.2			99.2	10.7			98.2	90			91.8
J4		5.6				37.7				38.6				11.0				102		
R4		5.2				37.7				38.8				11.1				109		
U4		5.4				37.5				38.4				11.1				92		

FKBG DATA

CUR. AV.	5.6	38.0	38.5	10.8	99
CUM. AV.	5.4	37.8	38.5	10.9	98
IND. *D	103.7	100.5	100.0	99.1	101.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		5.8				38.0				38.0				11.0				100		
F1	5.0	4.7	106.4	92.6	38.3	38.3	100.0	101.0	38.4	38.4	100.0	99.7	11.3	11.3	100.0	103.7	104	108	96.3	106.1
G1		5.8				38.0				38.9				10.6				96		
O1	5.9	5.7	103.5	109.2	38.0	38.2	99.5	100.3	38.1	38.3	99.5	99.0	10.0	10.1	99.0	91.7	101	99	102.0	103.1
Q1	5.1	4.9	104.1	94.4	37.8	37.6	100.5	99.7	38.9	38.7	100.5	101.0	10.9	11.0	99.1	100.0	95	99	96.0	96.9
R1	5.7	5.5	103.6	105.6	37.7	37.6	100.3	99.5	38.6	38.6	100.0	100.2	10.6	10.6	100.0	97.2	100	101	99.0	102.0
T1		5.6				37.8				38.6				10.9				99		
U1		3.9				38.0				39.6				12.0				100		
B2		5.5				38.4				38.5				10.6				96		
E2	5.8	5.7	101.8	107.4	38.1	38.2	99.7	100.5	38.4	38.5	99.7	99.7	10.7	10.8	99.1	98.2	92	93	98.9	93.9
G2		6.1				37.5				38.2				11.2				102		
H2		5.2				37.6				38.6				10.6				100		
B3		5.6				38.2				38.3				10.6				99		
E3		5.6				37.8				38.7				10.8				89		
F3	3.8	3.6	105.6	70.4	37.8	37.8	100.0	99.7	39.4	39.4	100.0	102.3	11.1	10.7	103.7	101.8	100	98	102.0	102.0
G3		5.9				37.6				38.3				11.4				90		
I3		5.5				38.5				38.6				10.6				95		
K3		6.2				38.0				38.2				11.1				95		
M3		5.8				37.1				37.9				11.4				103		
N3		4.4				37.1				38.5				10.5				96		
P3	5.4	5.1	105.9	100.0	37.5	37.3	100.5	98.9	38.5	38.4	100.3	100.0	11.2	11.1	100.9	102.8	98	100	98.0	100.0
Q3	5.9	5.9	100.0	109.2	38.0	38.0	100.0	100.3	38.1	38.1	100.0	99.0	10.6	10.8	98.1	97.2	94	95	98.9	95.9
R3		5.9				38.0				38.1				10.9				94		
S3	4.5	5.2	86.5	83.3	39.7	38.4	103.4	104.7	41.1	39.5	104.0	106.8	10.4	10.4	100.0	95.4	97	95	102.1	99.0
T3		3.6				36.7				38.4				12.6				101		
U3	5.8	6.0	96.7	107.4	38.2	38.2	100.0	100.8	38.3	38.3	100.0	99.5					92	92	100.0	93.9
W3		5.8				38.0				38.1				12.0				96		
W3	4.8	4.7	102.1	88.9	37.5	37.2	100.8	98.9	38.7	38.5	100.5	100.5	10.9	10.5	103.8	100.0	104	105	99.0	106.1
X3	5.4	5.3	101.9	100.0	38.1	38.2	99.7	100.5	38.2	38.2	100.0	99.2	11.6	11.5	100.9	106.4	100	101	99.0	102.0
Y3	5.8	6.2	93.5	107.4	37.2	37.6	98.9	98.2	38.0	38.2	99.5	98.7	10.5	10.7	98.1	96.3	92	90	102.2	93.9
O4		5.6				37.8				38.6				11.0				102		
R4		5.2				37.7				38.8				11.1				109		
U4		5.4				37.5				38.4				11.1				93		

FKBG DATA				
CUR. AV.	5.3	38.0	38.7	10.8	98
CUM. AV.	5.4	37.9	38.5	10.9	98
IND. *D	98.1	100.3	100.5	99.1	100.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	APRIL, 1983				MAY, 1983				JUNE, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		70.2				68.7				71.0		
F1	57.0	66.0	86.4	89.1	55.0	66.3	83.0	86.1	56.0	65.3	85.8	87.9
G1												
O1	60.8	58.3	104.3	95.0	58.8	58.0	101.4	92.0	58.1	58.1	100.0	91.2
Q1	68.0	63.9	106.4	106.2	65.0	64.4	100.9	101.7	66.0	64.6	102.2	103.6
R1	73.9	68.6	107.7	115.5	74.7	70.3	106.2	116.9	73.3	71.4	102.7	115.1
T1												
U1												
B2		78.6				78.8				80.0		
E2	63.6	67.7	93.9	99.4		65.2			61.5	64.2	95.8	96.5
G2		63.6				62.7				61.8		
H2	70.2	74.3	94.5	109.7	76.0	73.8	103.0	118.9		74.0		
B3		61.2			63.0	61.7	102.1	98.6		61.9		
E3												
F3												
G3												
I3		78.6			60.0	79.8	75.2	93.9		74.2		
K3												
M3	67.5	67.9	99.4	105.5	60.7	67.8	89.5	95.0		67.0		
N3		57.0				57.0				57.0		
P3	52.0	58.7	88.6	81.2	64.0	57.0	112.3	100.2	66.0	58.4	113.0	103.6
Q3	53.0	53.4	99.2	82.8	53.0	53.5	99.1	82.9	55.0	53.3	103.2	86.3
R3		57.0				57.0				57.0		
S3	64.0	59.1	108.3	100.0	59.0	59.9	98.5	92.3	62.0	59.6	104.0	97.3
T3												
U3		60.9			55.0	60.6	90.8	86.1	56.0	59.8	93.6	87.9
V3	55.0			85.9		55.0				55.0		
W3	67.0	68.3	98.1	104.7	70.0	68.2	102.6	109.5	70.0	68.7	101.9	109.9
X3	67.0	60.0	111.7	104.7	65.0	60.8	106.9	101.7	66.0	60.6	108.9	103.6
Y3												
C4	65.0	58.1	111.9	101.6		59.1				59.1		
R4												
U4												

FKBG DATA

CUR. AV.	63.1	62.8	62.7
CUM. AV.	64.0	63.9	63.7
IND. *D	98.6	98.3	98.4

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT *A				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.5	5.5	100.0	98.2	41.4	41.4	100.0	99.3	42.4	42.4	100.0	100.0	10.7	10.6	100.9	89.2	106	106	100.0	100.0
B1	5.9	5.7	103.5	105.4	42.3	42.0	100.7	101.4	42.4	42.2	100.5	100.0	12.0	12.3	97.6	100.0	101	113	89.4	95.3
C1	5.1	5.5	92.7	91.1	42.3	42.2	100.2	101.4	42.4	42.4	100.0	100.0	12.5	12.6	99.2	104.2	109	112	97.3	102.8
G1	5.5	5.8	94.8	98.2	41.9	41.7	100.5	100.5	42.9	42.6	100.7	101.2	12.1	12.1	100.0	103.8	103	106	97.2	97.2
D1	6.0	5.7	105.3	107.1	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	11.2	11.2	100.0	93.3	106	106	100.0	100.0
P1	5.1	5.2	98.1	91.1	42.2	41.2	102.4	101.2	43.4	42.3	102.6	102.4	11.5	11.4	100.9	95.8	111	114	97.4	104.7
Q1	4.8	5.1	94.1	85.7	41.4	41.4	100.0	99.3	42.8	42.6	100.5	100.9	12.4	12.2	101.6	103.6	106	107	99.1	100.0
R1	5.9	5.5	107.3	105.4	41.8	41.6	100.5	100.2	42.7	42.6	100.2	100.7	11.3	11.5	98.3	94.2	111	111	100.0	104.7
T1	5.6	5.8	96.6	100.0	41.6	41.6	100.0	99.8	42.6	42.5	100.2	100.5	11.8	12.0	98.3	98.3	106	104	101.9	100.0
U1	3.9	4.8	81.2	69.6	40.9	41.2	99.3	98.1	42.6	42.6	100.0	100.5	13.4	12.7	105.5	111.7	106	103	102.9	100.0
V1	5.4	6.0	90.0	96.4	42.3	42.4	99.8	101.4	43.4	42.8	101.4	102.4	12.0	11.7	102.6	100.0	114	120	95.0	107.5
X1	6.2	6.4	96.9	110.7	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.6	11.7	99.1	95.7	106	106	100.0	100.0
Y1	5.9	6.1	96.7	105.4	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.5	11.2	11.4	98.2	93.3	104	105	99.0	98.1
J2		5.5				42.4				42.5				12.0				104		
C2	5.9	6.0	98.3	105.4	41.5	41.6	99.8	99.5	42.4	42.4	100.0	100.0	11.7	11.7	100.0	97.5	101	101	100.0	95.3
E2	5.9	5.8	101.7	105.4	42.1	42.2	99.8	101.0	42.5	42.6	99.8	100.2	11.9	11.9	100.0	99.2	102	104	98.1	95.2
F2	5.4	5.4	100.0	96.4	41.2	41.4	99.5	98.8	42.3	42.4	99.8	99.8	10.2	13.0	78.5	85.0	102	100	102.0	95.2
G2		6.6				41.8				42.3				12.4				109		
H2	5.3	5.4	98.1	94.6	41.5	41.4	100.2	99.5	42.6	42.5	100.2	100.5	12.4	11.8	105.1	103.3	108	109	99.1	101.9
Y2	5.8	5.9	98.3	103.6	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	11.0	10.8	101.8	91.7	107	106	100.9	100.9
B3	5.5	5.6	98.2	98.2	42.4	42.2	100.5	101.7	42.5	42.3	100.5	100.2	11.4	11.7	97.4	95.0	105	104	101.0	99.0
C3	6.6	6.5	101.5	117.8	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5	11.4	11.6	98.3	95.0	105	104	101.0	99.0
E3	5.9	6.0	99.3	105.4	41.6	41.7	99.8	99.8	42.5	42.5	100.0	100.2	12.5	11.9	105.0	104.2	99	100	99.0	93.4
F3	3.7	3.9	94.9	66.1	41.3	41.4	99.8	99.9	43.1	43.2	99.8	101.6	12.4	11.7	106.0	103.3	107	106	100.9	100.9
G3	5.1	6.5	93.8	108.9	41.4	41.7	99.3	99.3	42.1	42.3	99.5	99.3	12.5	12.4	100.8	104.2	100	99	101.0	94.3
I3	5.7	5.6	101.8	101.8	42.6	42.4	100.5	102.2	42.7	42.5	100.5	100.7	11.9	11.6	102.6	99.2	103	105	98.1	97.2
K3	6.4	6.3	101.6	114.3	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	11.9	12.1	98.3	99.2	103	106	97.2	97.2
L3	5.1	4.3	106.2	91.1	41.3	41.4	99.3	99.0	41.7	41.8	99.6	98.3	12.9	12.8	100.8	107.5	102	102	100.0	95.2
M3	5.8	5.7	101.8	103.6	41.2	40.8	101.0	98.8	42.1	41.7	101.0	99.3	13.0	12.5	104.0	108.3	107	107	100.0	100.9
N3	4.7	4.8	97.9	83.9	41.9	41.7	100.5	100.5	43.3	43.0	100.7	102.1	11.2	11.4	98.2	93.3	105	108	97.2	99.0
D3	5.9	6.1	96.7	105.4	41.5	41.5	100.0	99.5	42.4	42.2	100.5	100.0	12.3	12.2	100.8	102.5	102	101	101.0	95.2
P3	5.4	5.4	100.0	96.4	41.2	41.3	99.8	98.8	42.3	42.4	99.8	99.8	12.3	12.3	100.0	102.5	107	107	100.0	100.9
J3		5.9				42.0				42.1				11.8				105		
S3	6.0	5.5	109.1	107.1	41.5	41.3	100.5	99.5	42.3	42.4	99.8	99.8	10.8	10.9	99.1	90.0	104	105	99.0	98.1
T3	4.5	4.5	100.0	80.4	41.3	41.2	100.2	99.0	42.8	42.7	100.2	100.9	14.3	13.3	107.5	119.2	106	104	101.9	100.0
U3	6.1	6.1	100.0	108.9	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5					99	102	97.0	93.4
W3	4.8	4.7	102.1	85.7	41.1	41.1	100.0	98.6	42.5	42.5	100.0	100.2	12.0	11.8	101.7	100.0	108	113	95.6	101.9
X3	5.7	5.5	103.6	101.8	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.7	12.7	100.0	105.8	106	107	99.1	100.0
Y3	6.2	5.9	105.1	110.7	41.5	41.4	100.2	99.5	42.2	42.2	100.0	99.5	11.3	11.6	97.4	94.2	104	105	99.0	98.1
L4		6.0				42.1				42.2				13.2				105		
O4	5.8	6.2	93.5	103.6	41.4	41.6	99.5	99.3	42.3	42.3	100.0	99.8	11.5	12.0	95.8	95.8	107	107	100.0	100.9
U4	5.4	5.4	100.0	96.4	41.5	41.4	100.2	99.5	42.6	42.5	100.2	100.5	12.0	12.4	96.8	100.0	103	102	101.0	97.2

FKBG DATA

CUR. AV.	5.5	41.7	42.5	11.9	105
CUM. AV.	5.6	41.7	42.4	12.0	106
IND. *D	98.2	100.0	100.2	99.2	99.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
31	5.6	5.5	101.8	100.0	41.4	41.4	100.0	99.3	42.4	42.4	100.0	100.0	10.9	10.6	102.8	90.8	106	106	100.0	100.0
D1		5.7				42.2				42.2				12.2				108		
F1	4.8	5.3	90.6	85.7	42.3	42.3	100.0	101.4	42.4	42.4	100.0	100.0	12.6	12.6	100.0	105.0	110	112	98.2	103.8
G1	5.5	5.8	94.8	98.2	41.9	41.7	100.5	100.5	42.9	42.6	100.7	101.2	12.0	12.1	99.2	100.0	103	105	98.1	97.2
J1	6.2	5.8	106.9	110.7	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	11.3	11.2	100.9	94.2	106	106	100.0	100.0
P1	5.4	5.2	103.8	96.4	41.1	41.3	99.5	98.6	42.2	42.4	99.5	99.5	11.5	11.4	100.9	95.8	118	114	103.5	111.3
R1	4.9	5.0	98.0	87.5	41.9	41.4	101.2	100.5	43.2	42.7	101.2	101.9	12.5	12.2	102.4	104.2	103	107	96.3	97.2
		5.6				41.6				42.6				11.5				111		
T1	5.7	5.8	98.3	101.8	41.5	41.6	99.8	99.5	42.5	42.5	100.0	100.2	11.8	12.0	98.3	98.3	104	105	99.0	98.1
U1	5.0	4.7	106.4	89.3	41.4	41.2	100.5	99.3	42.6	42.6	100.0	100.5	13.1	12.8	102.3	109.2	105	104	101.0	99.0
V1	5.0	6.0	83.3	89.3	42.2	42.4	99.5	101.2	43.5	42.9	101.4	102.6	12.1	11.8	102.5	100.8	116	118	98.3	109.4
X1	6.2	6.4	96.9	110.7	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	12.0	11.7	102.6	100.0	107	106	100.9	100.9
Y1	6.0	6.0	100.0	107.1	42.2	42.2	100.0	101.2	42.3	42.2	100.2	99.8	11.6	11.4	101.8	95.7	104	105	99.0	98.1
B2	5.7	5.5	103.6	101.8	42.3	42.4	99.8	101.4	42.4	42.5	99.8	100.0	11.9	12.0	99.2	99.2	106	104	101.9	100.0
C2	6.3	6.0	105.0	112.5	41.6	41.6	100.0	99.8	42.3	42.4	99.8	99.8	11.8	11.7	100.8	99.3	100	101	99.0	94.3
E2	5.7	5.8	98.3	101.8	42.1	42.2	99.8	101.0	42.5	42.6	99.8	100.2	12.0	11.8	101.7	100.0	102	104	98.1	96.2
F2	5.7	5.4	105.6	101.8	40.7	41.4	98.3	97.6	41.6	42.4	98.1	98.1	12.3	12.8	96.1	102.5	103	100	103.0	97.2
G2	6.3	6.5	100.0	116.1	41.7	41.8	99.8	100.0	42.3	42.3	100.0	99.8	12.5	12.4	100.8	104.2	108	109	99.1	101.9
H2	5.2	5.4	96.3	92.8	41.5	41.4	100.2	99.5	42.7	42.5	100.5	100.7	12.0	11.8	101.7	100.0	108	108	100.0	101.9
Y2	5.7	5.8	98.3	101.8	42.1	42.0	100.2	101.0	42.3	42.2	100.2	99.8	10.8	10.8	100.0	90.0	106	106	100.0	100.0
B3	5.5	5.5	100.0	98.2	42.3	42.2	100.2	101.4	42.4	42.3	100.2	100.0	11.2	11.7	95.7	93.3	106	104	101.9	100.0
C3	6.3	6.5	96.9	112.5	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.6	11.6	100.0	96.7	104	104	100.0	98.1
E3	6.1	6.0	101.7	108.9	41.8	41.7	100.2	100.2	42.6	42.5	100.2	100.5	12.4	11.9	104.2	103.5	101	100	101.0	95.3
F3	4.2	3.8	110.5	75.0	41.5	41.4	100.5	99.8	43.2	43.2	100.0	101.9	12.2	11.9	102.5	101.7	107	106	100.9	100.9
G3	6.1	6.5	93.8	108.9	41.5	41.7	99.5	99.5	42.2	42.3	99.8	99.5	12.6	12.4	101.6	105.0	99	99	100.0	93.4
I3	6.0	5.6	107.1	107.1	42.8	42.4	100.9	102.6	42.9	42.6	100.7	101.2	11.6	11.6	100.0	96.7	104	105	99.0	98.1
K3	6.6	6.3	104.8	117.8	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	12.4	12.1	102.5	103.3	104	106	98.1	98.1
L3	5.4	4.8	112.5	96.4	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.1	12.6	12.8	98.4	105.0	103	102	101.0	97.2
M3	6.2	5.8	106.9	110.7	41.4	40.8	101.5	99.3	42.1	41.7	101.0	99.3	12.8	12.6	101.6	106.7	112	107	104.7	105.7
N3	5.0	4.8	104.2	89.3	42.1	41.7	101.0	101.0	43.4	43.1	100.7	102.4	11.5	11.4	100.9	95.8	107	108	99.1	100.9
O3	6.3	6.1	103.3	112.5	41.6	41.5	100.2	99.8	42.3	42.3	100.0	99.8	12.5	12.2	102.4	104.2	101	101	100.0	95.3
P3	5.1	5.3	96.2	91.1	41.1	41.2	99.8	98.6	42.3	42.4	99.8	99.8	12.4	12.3	100.8	103.3	107	107	100.0	100.9
Q3	6.0	5.9	101.7	107.1	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.8	11.9	99.2	98.3	103	105	98.1	97.2
S3	6.0	5.6	107.1	107.1	41.5	41.4	100.2	99.5	42.3	42.4	99.8	99.8	10.8	11.0	98.2	90.0	106	105	101.0	100.0
T3	4.3	4.5	106.7	85.7	41.3	41.2	100.2	99.0	42.7	42.7	100.0	100.7	14.2	13.5	105.2	118.3	106	104	101.9	100.0
U3	6.1	6.0	101.7	108.9	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					101	102	99.0	95.3
W3	4.7	4.7	100.0	83.9	41.1	41.1	100.0	98.6	42.5	42.5	100.0	100.2	12.3	11.8	104.2	102.5	109	112	97.3	102.8
X3	5.5	5.5	100.0	98.2	42.2	42.1	100.2	101.2	42.3	42.2	100.2	99.8	12.7	12.7	100.0	105.8	109	107	101.9	102.8
Y3	6.2	5.9	105.1	110.7	41.4	41.4	100.0	99.3	42.1	42.2	99.8	99.3	11.4	11.5	99.1	95.0	106	105	101.0	100.0
L4	6.0	6.0	100.0	107.1	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.2	13.2	92.4	101.7	104	105	99.0	98.1
O4	6.0	6.1	98.4	107.1	41.5	41.6	99.8	99.5	42.3	42.3	100.0	99.8	12.0	12.0	100.0	100.0	110	108	101.8	103.8
U4	5.4	5.4	100.0	96.4	41.7	41.4	100.7	100.0	42.8	42.5	100.7	100.9	12.2	12.4	98.4	101.7	105	102	102.9	99.0
FKBG DATA																				
CUR. AV.	5.7				41.8				42.4				12.0				106			
CUM. AV.	5.6				41.7				42.4				12.0				106			
IND.																				
*D	101.8				100.2				100.0				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	5.7	5.5	103.6	101.8	42.4	41.4	102.4	101.7	43.4	42.4	102.4	102.4	10.6	10.7	99.1	88.3	107	106	100.9	100.9
D1		5.8				42.2				42.3				12.2				106		
F1	5.2	5.2	100.0	92.8	42.3	42.3	100.0	101.4	42.4	42.4	100.0	100.0	12.7	12.6	100.8	105.8	111	111	100.0	104.7
G1	5.8	5.8	100.0	103.6	41.8	41.8	100.0	100.2	42.7	42.7	100.0	100.7	12.8	12.1	99.2	100.0	101	105	96.2	95.3
D1	6.0	5.8	103.4	107.1	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	10.9	11.3	96.5	90.8	107	106	100.9	100.9
P1	5.1	5.3	96.2	91.1	41.1	41.3	99.5	98.6	42.3	42.4	99.8	99.8	11.6	11.4	101.8	96.7	118	115	102.6	111.5
G1	5.4	5.0	108.0	96.4	41.9	41.5	101.0	100.5	43.0	42.7	100.7	101.4	12.1	12.2	99.2	100.8	103	106	97.2	97.2
R1	6.0	5.6	107.1	107.1	41.5	41.6	99.8	99.5	42.3	42.6	99.3	99.8	11.7	11.5	101.7	97.5	111	110	100.9	104.7
T1	5.4	5.8	93.1	96.4	41.3	41.6	99.3	99.0	42.4	42.5	99.8	100.0	11.9	12.0	99.2	99.2	106	105	101.0	100.0
U1	4.8	4.7	102.1	85.7	41.4	41.2	100.5	99.3	42.8	42.6	100.5	100.9	13.2	12.9	102.3	110.0	104	104	100.0	98.1
V1	5.4	6.0	90.0	96.4	42.2	42.4	99.5	101.2	43.3	42.9	100.9	102.1	13.0	11.8	110.2	108.3	119	118	100.8	112.3
X1	6.5	6.3	103.2	116.1	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.8	11.7	100.8	98.3	109	106	102.8	102.8
Y1	6.0	6.0	100.0	107.1	42.2	42.2	100.0	101.2	42.3	42.2	100.2	99.8	11.5	11.4	100.9	95.8	103	105	98.1	97.2
B2		5.5				42.4				42.5				12.0				104		
C2		6.1				41.6				42.4				11.7				100		
E2	5.8	5.8	100.0	103.6	42.0	42.1	99.8	100.7	42.4	42.5	99.8	100.0	11.9	11.8	100.8	99.2	102	103	99.0	96.2
F2	5.7	5.5	103.6	101.8	40.6	41.3	98.3	97.4	41.5	42.3	98.1	97.9	12.5	12.7	98.4	104.2	101	101	100.0	95.3
G2	6.2	6.5	95.4	110.7	41.5	41.8	99.3	99.5	42.2	42.4	99.5	99.5	12.3	12.5	98.4	102.5	109	109	100.0	102.8
H2	5.2	5.4	96.3	92.8	41.6	41.4	100.5	99.8	42.8	42.5	100.7	100.9	11.3	11.9	95.0	94.2	108	108	100.0	101.9
Y2		5.8				42.0				42.2				12.8				106		
B3	5.5	5.5	100.0	98.2	42.3	42.3	100.0	101.4	42.4	42.4	100.0	100.0	11.5	11.6	99.1	95.8	102	104	98.1	96.2
C3	6.4	6.5	98.5	114.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.2	11.6	96.6	93.3	104	104	100.0	98.1
E3	5.9	6.0	98.3	105.4	41.9	41.7	100.5	100.5	42.8	42.6	100.5	100.9	12.6	12.0	105.0	105.0	98	100	98.0	92.4
F3	4.3	3.8	113.2	76.8	41.6	41.4	100.5	99.8	43.2	43.2	100.0	101.9	12.3	12.0	102.5	102.5	108	107	100.9	101.9
G3	6.4	6.4	100.0	114.3	42.1	41.7	101.0	101.0	42.7	42.3	100.9	100.7	12.7	12.4	102.4	105.8	100	99	101.0	94.3
I3	5.4	5.6	96.4	96.4	42.6	42.5	100.2	102.2	42.7	42.6	100.2	100.7	11.4	11.6	98.3	95.0	105	105	100.0	99.0
K3		6.4				42.0				42.2				12.1				106		
L3	5.4	4.9	110.2	96.4	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.1	12.6	12.8	98.4	105.0	100	102	98.0	94.3
M3	6.2	5.8	106.9	110.7	41.1	40.9	100.5	98.6	41.8	41.8	100.0	98.6	12.8	12.6	101.6	106.7	109	108	100.9	102.8
N3	4.9	4.8	102.1	87.5	42.0	41.7	100.7	100.7	43.3	43.1	100.5	102.1	11.7	11.4	102.6	97.5	106	107	99.1	100.0
O3	5.6	6.1	91.8	100.0	41.2	41.5	99.3	98.8	42.2	42.3	99.8	99.5	11.7	12.2	95.9	97.5	99	101	98.0	93.4
P3	5.8	5.3	109.4	103.6	41.4	41.2	100.5	99.3	42.3	42.4	99.8	99.8	12.4	12.3	100.8	103.3	105	107	98.1	99.0
Q3	6.0	6.0	100.0	107.1	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.7	11.9	98.3	97.5	103	104	99.0	97.2
S3	6.0	5.6	107.1	107.1	42.2	41.4	101.9	101.2	43.0	42.3	101.6	101.4	10.8	11.0	98.2	90.0	104	105	99.0	98.1
T3	5.0	4.5	111.1	89.3	41.6	41.2	101.0	99.8	42.8	42.7	100.2	100.9	14.0	13.7	102.2	116.7	105	105	100.0	99.0
U3	6.1	6.0	101.7	108.9	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5					106	102	103.9	100.0
W3	5.2	4.7	110.6	92.8	41.3	41.1	100.5	99.0	42.5	42.5	100.0	100.2	12.1	11.8	102.5	100.8	111	112	99.1	104.7
X3	5.6	5.6	100.0	100.0	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.8	12.7	100.8	106.7	107	107	100.0	100.9
Y3	6.2	6.0	103.3	110.7	41.4	41.4	100.0	99.3	42.1	42.2	99.8	99.3	11.6	11.5	100.9	96.7	105	105	100.0	99.0
L4	6.0	6.0	100.0	107.1	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	12.3	13.0	94.6	102.5	105	105	100.0	99.0
O4	5.8	6.1	95.1	103.6	41.4	41.5	99.8	99.3	42.3	42.3	100.0	99.8	11.7	12.0	97.5	97.5	112	108	103.7	105.7
U4	5.4	5.4	100.0	96.4	41.6	41.4	100.5	99.8	42.7	42.5	100.5	100.7	12.2	12.4	98.4	101.7	106	102	103.9	100.0
FKBG DATA																				
CUR. AV.	5.6				41.8				42.5				12.0				106			
CUM. AV.	5.6				41.7				42.4				12.0				106			
IND. *D	100.0				100.2				100.2				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	APRIL, 1983				MAY, 1983				JUNE, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	71.0	63.4	112.0	100.1	64.0	64.0	100.0	90.1	78.0	64.9	122.1	110.3
D1	74.0	75.5	98.0	104.4		74.8				74.0		
F1	58.0	62.3	93.1	81.8	59.0	61.1	96.6	83.1	61.0	61.1	99.8	86.3
G1												
C1	65.4	65.5	99.8	92.2	64.3	65.4	98.3	90.6	66.1	65.1	101.5	93.5
F1	77.0	77.7	99.1	108.6	76.0	77.5	98.1	107.0	69.0	77.3	89.3	97.6
G1	76.0	74.7	101.7	107.2	75.0	75.2	99.7	105.6	76.0	75.3	100.9	107.5
P1	80.1	78.0	102.7	113.0		78.3			80.6	78.3	102.9	114.0
T1												
U1												
V1	73.0	77.4	94.3	103.0	74.0	77.3	95.7	104.2	77.0	77.4	99.5	108.9
X1												
Y1	69.0	69.2	99.7	97.3	65.0	69.4	93.6	91.5	66.0	69.2	95.4	93.4
B2		85.1			69.0	85.1	81.1	97.2		82.3		
C2												
E2	73.5	76.6	96.0	103.7	73.0	75.2	97.1	102.6	70.9	74.4	95.3	100.3
F2	58.0	58.4	99.3	81.8	45.0	58.4	77.0	63.4	57.0	57.6	99.0	80.6
G2		73.6			81.0	73.1	110.8	114.1	80.0	73.3	109.1	113.2
H2	86.0	86.8	99.1	121.3	83.6	86.7	96.4	117.7	100.1	86.4	115.8	141.6
Y2		84.3				84.3				84.3		
B3	72.4	68.2	106.2	102.1	70.0	69.2	101.2	98.6	68.8	69.8	98.6	97.3
C3												
E3												
F3												
G3												
I3	67.0	88.2	76.0	94.5	67.0	86.2	77.7	94.4	68.0	84.4	80.6	96.2
K3												
L3	54.0	58.2	92.8	76.2	60.0	57.8	103.8	84.5	67.0	57.8	115.9	94.8
M3	79.9	72.4	110.4	112.7	76.3	73.1	104.4	107.5		73.4		
N3	71.0	71.2	99.7	100.1	70.0	71.6	97.8	98.6	72.0	70.7	101.8	101.6
O3												
P3	67.0	66.0	101.5	94.5	71.0	66.2	107.2	100.0	67.0	67.2	99.7	94.8
Q3		64.2			66.0	64.4	102.5	93.0	63.0	64.4	97.8	89.1
S3	69.0	64.5	107.0	97.3	73.0	64.9	112.5	102.8	67.0	65.6	102.1	94.8
T3												
U3	65.0	68.6	94.8	91.7	63.0	68.0	92.6	88.7	65.0	67.3	96.6	91.9
W3	76.0	75.0	101.3	107.2	75.0	75.3	99.6	105.6	76.0	75.7	100.4	107.5
X3	73.0	66.5	109.8	103.0	68.0	66.7	101.9	95.8	70.0	66.5	105.3	99.0
Y3												
L4												
O4	70.0	64.6	108.4	98.7	65.0	65.0	100.0	91.5	62.0	65.0	95.4	87.7
U4												

FKBG DATA

CUR. AV.	70.7	68.9	70.8
CUM. AV.	70.9	71.0	70.7
IND. *D	99.7	97.0	100.1

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 L3 FOURDRINIER KRAFT LINERBOARD

APRIL, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ. FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	5.9	6.0	98.3	95.2	68.0	68.1	99.8	99.1	69.4	69.4	100.0	100.0	17.4	17.6	98.9	89.2	139	139	100.0	97.9
D1	5.8	5.9	98.3	93.5	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7	20.2	20.0	101.0	103.6	141	146	96.6	99.3
J1	6.0	6.2	96.8	96.8	68.8	68.4	100.6	100.3	70.2	69.6	100.9	101.2	20.5	21.0	97.6	105.1	135	138	98.6	95.8
U1	6.3	6.2	101.6	101.6	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.1	18.3	98.9	92.8	147	146	100.7	103.5
P1	5.3	5.3	100.0	85.5	67.5	67.5	100.0	98.4	69.3	69.4	99.8	99.8	19.2	19.3	99.5	98.5	160	162	98.8	112.7
R1	6.3	6.1	103.3	101.6	68.5	68.4	100.3	100.0	69.7	69.7	100.0	100.4	20.5	19.7	104.1	105.1	143	142	104.2	104.2
T1	6.8	6.9	98.6	109.7	68.7	68.9	99.7	100.1	69.5	69.6	99.8	100.1	18.8	19.4	96.9	95.4	147	142	103.5	103.5
J1		5.4				68.0				69.8				20.0				144		
V1	6.4	6.7	95.5	103.2	69.3	69.4	99.8	101.0	70.3	69.8	100.7	101.3	19.1	19.1	100.0	97.9	158	160	98.8	111.3
W1	6.5	6.5	100.0	104.8	69.1	69.1	100.0	100.7	69.7	69.7	100.0	100.4	19.4	19.2	101.0	99.5	139	143	97.2	97.9
X1		6.2				69.1				69.3				19.8				139		
Y1	6.9	7.0	98.6	111.3	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	19.3	19.5	99.0	99.0	137	139	98.6	96.5
C2	6.6	6.7	97.0	104.8	68.6	68.6	100.0	100.0	69.6	69.5	100.1	100.3	19.3	19.3	97.5	99.0	135	135	100.7	95.8
F2	5.9	5.7	103.5	95.2	67.3	68.0	99.0	98.1	68.7	69.6	98.7	99.0	20.2	19.8	102.0	103.6	138	138	100.0	97.2
J2		7.1				69.2				69.7				20.1				140		
H2	5.9	5.9	100.0	95.2	68.5	68.3	100.3	99.8	69.9	69.7	100.3	100.7	20.5	19.9	103.0	105.1	140	142	98.6	98.6
Y2		6.7				69.0				69.3				19.6				139		
B3	6.8	6.7	101.5	109.7	69.6	69.1	100.7	101.4	69.8	69.3	100.7	100.6	18.0	17.9	100.6	92.3	145	142	102.1	102.1
C3	6.5	6.2	104.8	104.8	69.3	69.0	100.4	101.0	69.5	69.2	100.4	100.1	19.4	19.9	97.5	99.5	133	134	99.2	93.7
F3	4.1	4.6	89.1	66.1	68.3	68.6	99.6	99.6	71.0	71.0	100.0	102.3	20.6	19.7	104.6	105.6	144	143	100.7	101.4
G3	7.1	7.4	95.9	114.5	68.5	69.2	99.0	99.8	69.0	69.5	99.3	99.4	19.2	19.3	99.5	98.5	137	137	100.0	96.5
I3	6.2	6.0	103.3	100.0	69.6	69.2	100.6	101.4	69.8	69.4	100.6	100.6	19.2	19.3	99.5	98.5	138	138	100.0	97.2
J3	6.2	6.1	101.6	100.0	67.8	68.5	99.0	98.8	69.0	69.8	98.8	99.4	19.6	19.2	102.1	100.5	140	141	99.3	98.6
L3	5.7	5.5	103.6	91.9	67.9	67.8	100.1	99.0	68.5	68.4	100.1	98.7	20.8	20.9	99.5	106.7	147	145	101.4	103.5
M3	6.1	6.2	98.4	98.4	67.6	67.2	100.6	98.5	68.8	68.4	100.6	99.1	21.9	21.6	101.4	112.3	141	145	97.2	99.3
N3	6.5	6.9	94.2	104.8	68.8	68.4	100.6	100.3	69.8	69.1	101.0	100.6	17.8	18.2	97.8	91.3	144	145	99.3	101.4
O3		6.3				68.3				69.4				20.5				134		
P3	5.7	5.7	100.0	91.9	68.0	68.0	100.0	99.1	69.6	69.6	100.0	100.3	20.7	20.3	102.0	105.2	142	141	100.7	100.0
U3	6.3	6.1	103.3	101.6	69.2	68.9	100.4	100.9	69.4	69.1	100.4	100.0					140	140	100.0	98.6
X3	5.9	5.8	101.7	95.2	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	20.3	20.6	98.5	104.1	145	140	104.3	102.8
Y3	5.8	6.2	93.5	93.5	68.2	68.4	99.7	99.4	69.7	69.5	100.3	100.4	19.4	19.2	95.8	94.4	140	141	99.3	98.6
C4	6.6	6.5	101.5	106.4	68.7	68.0	101.0	100.1	68.9	68.9	100.0	99.3	19.3	19.3	100.0	99.0	140	139	100.7	98.6
G4	6.8	6.9	98.6	109.7	68.6	68.8	99.7	100.0	69.4	69.5	99.8	100.0	19.9	19.9	100.0	102.0	143	143	100.0	100.7
FKBG DATA																				
CUR. AV.	6.2				68.6				69.5				19.5				142			
CUM. AV.	6.2				68.6				69.4				19.5				142			
IND. *D	100.0				100.0				100.1				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
31	6.0	6.1	98.4	96.8	68.1	68.1	100.0	99.3	69.5	69.4	100.1	100.1	17.8	17.5	101.7	90.8	139	139	100.0	97.9
D1		5.8				69.1				69.3				20.1				143		
G1	6.2	6.2	100.0	100.0	68.4	68.4	100.0	99.7	69.6	69.6	100.0	100.3	19.5	21.0	92.8	99.5	134	138	97.1	94.4
Q1	6.5	6.2	104.8	104.8	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6	18.4	18.3	100.5	93.9	148	146	101.4	104.2
P1	5.5	5.4	101.8	88.7	67.6	67.5	100.1	98.5	69.3	69.4	99.8	99.8	19.6	19.2	102.1	100.0	157	163	96.3	110.6
R1	6.4	6.1	104.9	103.2	68.9	68.4	100.7	100.4	69.9	69.7	100.3	100.7	20.3	19.8	102.5	103.6	145	142	102.1	102.1
T1	6.8	6.9	98.6	109.7	68.7	68.9	99.7	100.1	69.5	69.6	99.8	100.1	18.6	19.4	95.9	94.9	145	142	102.1	102.1
J1		5.4				68.0				69.8				20.0				144		
V1	6.5	6.7	97.0	104.8	69.2	69.4	99.7	100.9	70.2	69.8	100.6	101.2	19.1	19.2	99.5	97.4	162	160	101.2	114.1
41	6.6	6.5	101.5	106.4	69.0	69.1	99.8	100.6	69.6	69.7	99.8	100.3	19.3	19.2	103.1	101.0	140	142	98.6	98.6
K1	6.2	6.2	100.0	100.0	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	19.7	19.8	99.5	103.5	140	139	100.7	98.5
Y1	7.1	7.0	101.4	114.5	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	19.6	19.5	100.5	100.0	137	138	99.3	95.5
C2	6.8	6.7	101.5	109.7	68.4	68.6	99.7	99.7	69.2	69.5	99.6	99.7	19.7	19.8	99.5	103.5	139	135	103.0	97.9
F2	5.8	5.8	100.0	93.5	67.6	67.6	100.0	98.5	69.1	69.2	99.8	99.6	19.9	20.0	99.5	101.5	143	138	103.6	100.7
G2		7.0				69.0				69.7				20.0				140		
H2		5.9				68.3				69.7				20.0				142		
Y2	6.9	6.7	103.0	111.3	69.3	69.0	100.4	101.0	69.6	69.3	100.4	100.3	19.6	19.6	100.0	100.0	138	139	99.3	97.2
33	6.5	6.7	97.0	104.8	69.2	69.1	100.1	100.9	69.4	69.3	100.1	100.0	18.6	17.9	103.9	94.9	139	143	97.2	97.9
C3		6.3				69.1				69.3				19.8				134		
F3	5.1	4.5	113.3	92.2	69.0	68.6	100.6	100.6	71.0	71.0	100.0	102.3	20.1	19.9	101.0	102.6	143	144	99.3	100.7
G3	7.0	7.4	94.6	112.9	68.7	69.2	99.3	100.1	69.3	69.5	99.7	99.8	19.0	19.3	98.4	96.9	138	137	100.7	97.2
I3	5.1	5.9	103.4	98.4	69.8	69.2	100.9	101.7	70.0	69.4	100.9	100.9	19.0	19.3	98.4	96.9	136	133	98.6	95.8
J3	6.4	6.1	104.9	103.2	69.0	68.5	100.7	100.6	70.0	69.7	100.4	100.9	19.5	19.2	101.6	99.5	141	141	100.0	99.3
L3	6.0	5.5	109.1	95.8	67.7	67.8	99.8	98.7	68.3	68.4	99.8	98.4	20.6	20.9	98.6	105.1	142	145	97.9	100.0
43	6.3	6.2	101.6	101.6	68.0	67.3	101.0	99.1	69.1	68.4	101.0	99.6	21.8	21.7	100.5	111.2	143	145	98.6	100.7
N3	6.7	6.3	98.5	108.1	69.1	68.5	100.9	100.7	69.9	69.2	101.0	100.7	18.1	18.2	99.4	92.3	142	145	97.9	100.0
03		6.6				68.4				69.3				20.8				134		
P3	5.4	5.7	94.7	37.1	67.9	68.0	99.8	99.0	69.7	69.6	100.1	100.4	20.2	20.3	99.5	103.1	146	141	103.5	102.8
U3	6.0	6.1	98.4	96.8	69.3	69.0	100.4	101.0	69.5	69.2	100.4	100.1					142	141	100.7	100.0
X3	5.8	5.8	100.0	93.5	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	20.8	20.6	101.0	106.1	143	141	101.4	100.7
Y3	5.9	6.1	95.1	93.5	67.8	68.3	99.3	98.8	69.3	69.6	99.6	99.8	18.7	18.9	98.9	95.4	138	141	97.9	97.2
C4	6.8	6.5	104.6	109.7	67.9	68.1	99.7	99.0	68.6	68.9	99.6	98.8	19.1	19.4	98.4	97.4	139	139	100.0	97.9
D4	6.8	6.9	98.6	109.7	68.5	68.8	99.6	99.8	69.3	69.4	99.8	99.8	19.3	19.9	97.0	98.5	148	143	103.5	104.2
FXBG DATA																				
CUR. AV.	6.3				68.6				69.5				19.5				142			
CUM. AV.	6.2				68.6				69.4				19.6				142			
IND. *D	101.6				100.0				100.1				99.5				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	6.1	6.1	100.0	98.4	69.2	68.1	101.6	100.9	70.4	69.4	101.4	101.4	17.5	17.6	99.4	89.3	141	138	102.2	99.3
D1		5.8				69.2				69.4				20.1				142		
G1	6.1	6.2	98.4	98.4	68.4	68.4	100.0	99.7	69.6	69.6	100.0	100.3	20.7	20.8	99.5	105.6	136	138	98.6	95.8
O1	6.5	6.3	103.2	104.8	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.3	18.3	100.0	93.4	145	146	99.3	102.1
F1	5.4	5.4	100.0	87.1	67.5	67.6	99.8	98.4	69.3	69.4	99.8	99.8	19.5	19.1	102.1	99.5	163	163	100.0	114.8
R1	6.5	6.1	106.6	104.8	68.8	68.5	100.4	100.3	69.8	69.7	100.1	100.6	20.7	19.9	104.0	105.6	146	143	102.1	102.8
T1	6.4	6.9	92.8	103.2	68.5	68.9	99.4	99.8	69.5	69.6	99.8	100.1	18.2	19.3	94.3	92.8	140	143	97.9	98.6
U1		5.4				68.0				69.8				20.0				144		
V1	6.6	6.7	98.5	106.4	69.2	69.3	99.8	100.9	70.1	69.8	100.4	101.0	18.5	19.3	95.8	94.4	162	160	101.2	114.1
W1	6.5	6.5	100.0	104.8	68.8	69.1	99.6	100.3	69.4	69.7	99.6	100.0	19.8	19.2	103.1	101.0	141	142	99.3	99.3
X1		6.2				69.1				69.3				19.8				140		
Y1	7.0	7.0	100.0	112.9	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	19.8	19.5	101.5	101.0	136	138	98.6	95.8
C2		6.7				68.6				69.5				19.8				136		
F2	6.4	5.8	110.3	103.2	67.0	67.6	99.1	97.7	68.0	69.1	98.4	98.0	20.4	20.0	102.0	104.1	137	140	97.8	96.5
G2		7.0				69.0				69.7				20.2				139		
H2	5.6	5.9	94.9	90.3	68.3	68.3	100.0	99.6	69.9	69.7	100.3	100.7	19.0	20.0	95.0	96.9	140	142	98.6	98.6
Y2		6.8				69.1				69.4				19.6				139		
B3	6.6	6.7	98.5	106.4	69.2	69.1	100.1	100.9	69.4	69.3	100.1	100.0	17.9	18.0	99.4	91.3	144	142	101.4	101.4
C3		6.3				69.1				69.3				19.8				134		
F3	5.2	4.5	115.6	83.9	69.2	68.6	100.9	100.9	71.1	71.0	100.1	102.4	20.7	20.0	103.5	105.6	145	144	100.7	102.1
G3	7.1	7.3	97.3	114.5	69.2	69.1	100.1	100.9	69.8	69.5	100.4	100.6	19.3	19.3	100.0	98.5	137	137	100.0	96.5
I3	5.8	6.0	96.7	93.5	69.6	69.3	100.4	101.4	69.8	69.5	100.4	100.6	18.7	19.2	97.4	95.4	136	138	98.6	95.8
J3	6.5	6.2	104.8	104.8	68.9	68.6	100.4	100.4	69.9	69.7	100.3	100.7	19.4	19.3	100.5	99.0	143	141	101.4	100.7
L3	6.0	5.5	109.1	96.8	67.5	67.8	99.6	96.4	68.1	68.4	99.6	98.1	20.4	20.9	97.6	104.1	142	145	97.9	100.0
M3	6.1	6.2	98.4	98.4	67.6	67.3	100.4	98.5	68.8	68.5	100.4	99.1	21.3	21.7	98.2	108.7	152	145	104.8	107.0
N3	6.6	6.8	97.0	106.4	68.9	68.5	100.6	100.4	69.8	69.3	100.7	100.6	18.2	18.2	100.0	92.8	143	144	99.3	100.7
O3		6.6				68.4				69.3				20.8				134		
P3	6.2	5.7	108.8	100.0	68.2	68.0	100.3	99.4	69.4	69.6	99.7	100.0	20.4	20.3	100.5	104.1	140	142	98.6	98.6
U3	5.9	6.1	96.7	95.2	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7					142	141	100.7	100.0
X3	6.1	5.8	105.2	98.4	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	20.6	20.6	100.0	105.1	141	141	100.0	99.3
Y3	5.9	6.0	98.3	95.2	68.1	68.2	99.8	99.3	69.5	69.5	100.0	100.1	18.8	18.8	100.0	95.9	135	140	96.4	95.1
C4	6.7	6.6	101.5	108.1	69.0	68.0	101.5	100.6	69.8	68.8	101.4	100.6	18.9	19.3	97.9	96.4	140	139	100.7	98.6
O4	6.4	6.8	94.1	103.2	68.3	68.7	99.4	99.6	69.3	69.5	99.7	99.8	19.6	19.8	99.0	100.0	151	143	105.6	106.3

FKBG DATA

CUR. AV.	6.2			68.6			69.5			19.4			143			
CUM. AV.	6.2			68.6			69.4			19.6			142			
IND. *D	100.0			100.0			100.1			99.0			100.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	APRIL, 1983				MAY, 1983				JUNE, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	109.0	109.9	99.2	92.5	114.0	110.1	103.5	96.8	108.0	110.2	98.0	92.1
D1	117.0	121.5	96.3	99.3		122.2				119.3		
G1												
O1	116.7	114.8	101.6	99.1	115.4	115.7	99.7	98.0	110.4	115.7	95.4	94.1
P1	125.0	125.2	99.8	106.1	124.0	125.4	98.9	105.4	116.0	126.1	92.0	98.9
R1	119.1	118.6	100.4	101.1	106.8	118.7	90.0	90.7	118.8	117.2	101.4	101.3
T1												
U1												
V1	119.0	122.2	97.4	101.0	119.0	123.8	96.1	101.1	114.0	124.3	91.7	97.2
W1	119.3	122.2	97.6	101.3	119.0	121.5	97.9	101.1	116.3	121.0	96.1	99.1
X1												
Y1	124.0	125.1	99.1	105.3	124.0	124.9	99.3	105.4	121.0	125.3	96.6	103.2
C2												
F2	96.0	89.0	107.9	81.5	104.0	92.5	112.4	88.4	91.0	96.3	94.5	77.6
G2		139.4				141.2				137.0		
H2	106.9	127.0	84.2	90.7		123.6			141.0	123.6	114.1	120.2
Y2												
B3	116.8	110.6	105.6	99.2	120.9	111.3	108.6	102.7	116.2	112.6	103.2	99.1
C3												
F3												
G3												
I3	121.0	139.1	87.0	102.7	122.0	138.3	88.2	103.6	124.0	137.2	90.4	105.7
J3		123.5				138.0				138.0		
L3	92.0	94.2	97.7	78.1	96.0	93.8	102.3	81.6	108.0	93.6	115.4	92.1
M3		118.2			123.6	119.1	103.8	105.0	110.0	119.6	92.0	93.8
N3	124.0	123.4	100.5	105.3	116.0	124.0	93.5	98.6	112.0	123.2	90.9	95.5
U3												
P3	117.0	107.7	108.6	99.3	118.0	110.0	107.3	100.2	116.0	111.6	103.9	98.9
U3	110.0	119.0	92.4	93.4	103.0	115.5	89.2	87.5	118.0	113.0	104.4	100.6
X3	112.0	105.2	106.5	95.1	105.0	105.4	99.6	89.2	103.0	105.1	98.0	87.8
Y3												
C4												
O4	117.0	110.7	105.7	99.3	115.0	110.4	104.2	97.7	121.0	110.7	109.3	103.2
FKBG DATA												
CUR. AV.	114.5				114.4				114.7			
CUM. AV.	117.8				117.7				117.3			
IND. *D	97.2				97.2				97.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	6.3	5.9	106.8	98.4	89.0	89.0	100.0	99.3	90.4	90.8	99.6	99.7	23.9	23.6	101.3	93.7	164	167	99.2	95.3
D1	5.8	6.1	95.1	90.6	90.0	89.6	100.4	100.4	90.3	89.9	100.4	99.6	25.5	27.6	92.4	100.0	169	181	93.4	98.2
G1	5.9	6.5	90.8	92.2	89.3	89.5	99.3	99.7	91.2	90.7	100.6	100.6	26.9	27.0	99.6	105.5	160	165	97.0	93.0
O1		5.7				90.8				91.1				24.7				176		
P1	5.4	5.6	96.4	94.4	87.9	88.3	99.5	98.1	90.2	90.4	99.8	99.4	24.9	25.2	98.8	97.6	181	189	95.8	105.2
U1	5.4	5.7	94.7	84.4	88.7	89.3	99.3	99.0	91.0	91.4	99.6	100.3	27.2	26.6	102.2	105.7	181	171	105.8	105.2
V1	6.6	6.9	95.6	103.1	90.1	90.8	99.2	100.6	91.3	91.2	100.1	100.7	26.0	25.3	102.8	102.0	175	184	95.1	101.7
Y2		7.4				90.0				90.4				26.4				184		
J3	6.5	6.4	101.6	101.6	90.3	90.1	100.2	100.8	90.6	90.4	100.2	99.9	25.0	23.9	104.6	98.0	161	171	94.2	93.6
F3		4.5				88.7				91.9				26.0				173		
J3	6.3	6.1	103.3	98.4	89.3	89.6	99.7	99.7	90.7	91.2	99.4	100.0	25.5	25.4	100.4	100.0	156	158	98.7	98.7
L3		8.3				89.5				90.3				27.6				174		
N3	6.5	7.0	92.8	101.6	89.8	89.5	100.3	100.2	91.1	90.3	100.9	100.4	22.7	23.2	97.8	99.0	184	178	103.4	107.3
P3	6.2	6.4	96.9	96.9	89.0	89.0	100.0	99.3	90.5	90.4	100.1	99.8	27.1	26.8	101.1	106.3	166	168	98.8	95.5
X3		6.0				90.2				90.5				27.2				164		
C4	6.4	6.5	98.5	100.0	89.1	88.9	100.2	99.4	89.4	90.2	99.1	98.6	25.5	25.8	98.8	100.0	176	177	99.4	102.3
O4	7.5	7.2	104.2	117.2	90.4	90.0	100.4	100.9	90.7	90.6	100.1	100.0	26.1	25.4	102.8	102.4	175	177	98.9	101.7
FKBG DATA																				
CUR. AV.	6.2				89.4				90.6				25.5				171			
CUM. AV.	6.4				89.6				90.7				25.5				172			
IND. *D	96.9				99.8				99.9				100.0				99.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	5.9	6.0	98.3	92.2	89.9	89.0	101.0	100.3	91.8	90.7	101.2	101.2	23.8	23.6	100.8	93.0	171	166	103.0	99.4
D1		6.0				89.5				89.8				27.2				176		
G1	6.0	6.5	92.3	93.8	89.3	89.5	99.8	99.7	91.1	90.8	100.3	100.4	26.3	27.0	97.4	102.7	163	165	98.8	94.8
O1		5.7				90.8				91.1				24.7				176		
P1	5.3	5.6	94.6	82.8	88.1	88.2	99.9	98.3	90.5	90.4	100.1	99.8	25.0	25.2	99.2	97.6	192	188	102.1	111.6
U1	5.4	5.7	94.7	84.4	89.5	89.3	100.2	99.9	91.8	91.4	100.4	101.2	27.8	26.7	104.1	108.6	169	172	98.2	98.2
V1	6.6	6.9	95.6	103.1	90.1	90.7	99.3	100.6	91.3	91.3	100.0	100.7	26.0	25.5	102.0	101.6	185	183	101.1	107.6
Y2		7.4				90.0				90.4				26.4				184		
33	6.5	6.4	101.6	101.6	90.2	90.2	100.0	100.7	90.5	90.5	100.0	99.8	24.1	24.1	100.0	94.1	164	169	97.0	95.3
F3		4.5				88.7				91.9				26.0				173		
J3	6.8	6.2	109.7	106.2	89.1	89.6	99.4	99.4	90.1	91.2	98.8	99.3	25.7	25.4	101.2	103.4	155	158	98.1	93.1
L3	8.6	8.3	103.6	134.4	89.4	89.5	99.9	99.8	90.2	90.3	99.9	99.4	27.2	27.6	98.6	106.2	170	174	97.7	98.8
N3	6.8	6.9	98.6	106.2	90.0	89.5	100.6	100.4	91.0	90.4	100.7	100.3	22.9	23.2	98.7	89.4	179	179	100.0	104.1
P3	6.7	6.4	104.7	104.7	88.1	89.1	98.9	98.3	89.2	90.4	98.7	98.3	27.2	26.9	101.1	106.2	169	168	100.6	98.2
X3	5.4	6.0	90.0	84.4	90.3	90.2	100.1	100.8	90.6	90.5	100.1	99.9	27.2	27.2	100.0	106.2	166	164	101.2	96.5
C4	6.5	6.5	100.0	101.6	89.3	89.0	100.3	99.7	90.6	90.1	100.6	99.9	25.1	25.7	97.7	98.0	179	177	101.1	104.1
D4	7.0	7.2	97.2	109.4	89.7	90.0	99.7	100.1	90.5	90.6	99.9	99.8	26.3	25.6	102.7	102.7	181	177	102.2	105.2

FKBG DATA

CUR. AV.	6.4				89.5				90.7				25.7				172			
CUM. AV.	6.4				89.6				90.7				25.6				172			
IND. *D	100.0				99.9				100.0				100.4				100.3			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	6.0	6.0	100.0	93.8	91.0	89.1	102.1	101.6	92.8	90.8	102.2	102.3	23.5	23.7	99.2	91.8	168	167	100.6	97.7
D1		6.0				89.4				89.7				27.0				174		
G1	5.4	6.4	84.4	84.4	89.7	89.5	100.2	100.1	92.0	90.8	101.3	101.4	26.8	26.9	99.6	104.7	162	165	98.2	94.2
O1		5.7				90.8				91.1				24.7				176		
P1	5.9	5.6	105.4	92.2	88.7	88.3	100.4	99.0	90.6	90.4	100.2	99.9	25.2	25.0	100.8	98.4	181	188	96.3	105.2
U1	5.5	5.6	98.2	85.9	90.0	89.3	100.8	100.4	92.2	91.4	100.9	101.6	26.8	26.8	100.0	104.7	173	172	100.6	100.6
V1	6.8	6.9	98.6	106.2	90.2	90.6	99.6	100.7	91.2	91.3	99.9	100.6	25.6	25.6	100.0	100.0	189	183	103.3	109.9
Y2		7.4				90.0				90.4				26.4				184		
B3	6.3	6.5	96.9	98.4	90.1	90.2	99.9	100.6	90.4	90.5	99.9	99.7	24.4	24.2	100.8	95.3	174	168	103.6	101.2
F3		4.5				88.7				91.9				26.0				173		
J3	6.4	6.2	103.2	100.0	90.1	89.7	100.4	100.6	91.5	91.2	100.3	100.9	25.8	25.5	101.2	100.8	155	157	98.7	90.1
L3		8.4				89.5				90.3				27.5				173		
N3	6.7	6.9	97.1	104.7	89.9	89.5	100.4	100.3	91.0	90.5	100.6	100.3	22.9	23.2	98.7	89.4	181	178	101.7	105.2
P3		6.4				88.9				90.3				26.9				168		
X3	6.2	5.9	105.1	96.9	90.2	90.2	100.0	100.7	90.5	90.5	100.0	99.8	26.4	27.2	97.0	103.1	173	164	105.5	100.6
C4	6.7	6.5	103.1	104.7	90.0	89.1	101.0	100.4	91.1	90.2	101.0	100.4	24.6	25.7	95.7	96.1	177	177	100.0	102.9
C4	7.3	7.1	102.8	114.1	89.6	89.9	99.7	100.0	90.0	90.6	99.3	99.2	25.6	25.7	99.6	100.0	184	178	103.4	107.0

FKBG DATA

CUR. AV.	6.3				90.0				91.2				25.2				174			
CUM. AV.	6.4				89.6				90.7				25.6				172			
IND. *D	98.4				100.4				100.6				98.4				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	APRIL, 1983				MAY, 1983				JUNE, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	143.0	152.0	94.1	94.1	141.0	151.0	93.4	93.1	155.0	150.8	102.8	102.7
D1	139.0	159.8	87.0	91.4		156.2				153.7		
G1												
O1		146.7				146.7				146.7		
P1	164.0	151.8	108.0	107.9	171.0	153.6	111.3	112.9	149.0	153.7	96.9	98.7
U1												
V1	150.0	154.1	97.3	98.7	148.0	156.2	94.8	97.7	152.0	156.5	97.1	100.7
Y2												
B3	141.5	156.1	91.8	93.1	152.9	153.7	99.5	100.9	144.8	154.0	94.0	96.0
F3												
J3		179.7				171.0				171.0		
L3		109.5			123.0	109.5	112.3	81.2		114.0		
N3	169.0	167.1	101.1	111.2	164.0	168.3	97.4	108.2	160.0	167.5	95.5	106.0
P3	145.0	142.0	102.1	95.4		143.0				143.0		
X3		139.3			143.0	139.3	102.6	94.4	141.0	138.6	101.7	93.4
C4												
D4	134.0	136.4	98.2	88.2	143.0	135.9	105.2	94.4	141.0	136.2	103.5	93.4
FKBG DATA												
CUR. AV.	148.2				148.2				149.0			
CUM. AV.	152.0				151.5				150.9			
IND. *D	97.5				97.8				98.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

APRIL, MAY, JUNE, 1983

	Conditioning Environment				Testing Environment
	Are Quality Samples	Procedure			Are Quality Samples Tested
Code	Conditioned Before Testing?	Time	Temp., °F	RH, %	Under Controlled Conditions of Temperature & Humidity?
B1	Yes	10 min	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
D1	No	--	--	--	No
F1	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
G1	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
O1	No	--	--	--	No
P1	No	--	--	--	Yes
Q1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
R1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
T1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
U1	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
V1	No	--	--	--	Yes
W1	No	--	--	--	No
X1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Y1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B2	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
C2	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
E2	No	--	--	--	No
F2	Yes	20 min	--	--	Yes: 72 ± 3-5°F; 50 ± 2% RH
G2	No	--	--	--	Yes
H2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
Y2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Z2	No	--	--	--	No
B3	Yes	7 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
C3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D3	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
E3	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
F3	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
G3	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
H3	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
I3	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
J3	No	--	--	--	No
K3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
L3	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
M3	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
N3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
O3	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
P3	Yes	--	73	50	Yes: 73 ± 2°F; 50 ± 2% RH
Q3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
R3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
S3	Yes	10 min	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
T3	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
U3	No	--	--	--	No
V3	No	--	--	--	No
W3	No	--	--	--	Yes
X3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Y3	No	--	--	--	No
C4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D4	No data was submitted for this quarter				
I4	Yes	20 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
L4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
O4	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
R4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
U4	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH

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Roger H. Van Eperen
Research Associate
Paper Materials Division

Approved by

Gary A. Baum
Director
Paper Materials Division

APPENDIX

NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)} \right]$$

Note B: Machine factor (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative machine average}} \right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months exluding CMA for current month}}{12}$$

Note C: Machine index (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) $= \left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

---

[a] CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

[b] CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given month.